IMPORTANT: PLEASE REVIEW THIS ENTIRE PUBLICATION BEFORE INSTALLING, OPERATING, OR MAINTAINING THE GATE SYSTEM.
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Gate or Movable Barrier Device (Type “A” or “B” Gate)

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SECTION 1—IN GENERAL
Gate or Movable Barrier Device (Type “A” or “B” Gate)

Safety Precautions

“⚠️ DANGER ⚠️” Danger is used to indicate the presence of a hazard which WILL cause SEVERE personal injury if the warning is ignored.

“⚠️” THIS SAFETY ALERT SYMBOL IDENTIFIES IMPORTANT SAFETY MESSAGES IN THIS MANUAL. WHEN YOU SEE THIS SYMBOL ⚠️, BE ALERT TO THE POSSIBILITY OF PERSONAL INJURY, AND CAREFULLY READ THE MESSAGE THAT FOLLOWS.

Efficient and safe machine operation depends on the development, implementation and enforcement of a safety program. This program requires, among other things, the proper selection of point-of-operation guards and safety devices for each particular job or operation and a thorough safety training program for all machine personnel. This program should include instruction on the proper operation of the machine, instruction on the point-of-operation guards and safety devices on the machine, and a regularly scheduled inspection and maintenance program.

Rules and procedures covering each aspect of your safety program should be developed and published both in an operator’s safety manual, as well as in prominent places throughout the plant and on each machine. Some rules or instructions which must be conveyed to your personnel and incorporated into your program include:

⚠️ DANGER ⚠️ Never place your hands or any part of your body in this machine.

⚠️ DANGER ⚠️ Never operate this machine without proper eye, face and body protection.

Never operate this machine unless you are fully trained and instructed and unless you have read the instruction manual.

Never operate this machine if it is not working properly—stop operating and advise your supervisor immediately.

Never use a foot switch to operate this machine unless a point-of-operation guard or device is provided and properly maintained.

Never operate this machine unless two-hand trip, two-hand control or presence sensing device is installed at the proper safety distance. Consult your supervisor should you have any questions regarding the proper safety distance.

Never tamper with, rewire or bypass any control or component on this machine.

A company’s safety program must involve everyone in the company, from top management to operators, since only as a group can any operational problems be identified and resolved. It is everyone’s responsibility to implement and communicate the information and material contained in catalogs and instruction manuals to all persons involved in machine operation. If a language barrier or insufficient education would prevent a person from reading and understanding various literature available, it should be translated, read or interpreted to the person, with assurance that it is understood.

FOR MAINTENANCE AND INSPECTION ALWAYS REFER TO THE OEMs (ORIGINAL EQUIPMENT MANUFACTURER’S) MAINTENANCE MANUAL OR OWNER’S MANUAL. If you do not have an owner’s manual, please contact the original equipment manufacturer.
SECTION 1—IN GENERAL
Gate or Movable Barrier Device (Type “A” or “B” Gate)

Safety References
OSHA’S ACT AND FEDERAL REGULATIONS
Since the enclosed equipment can never overcome a mechanical deficiency, defect or malfunction in the machine itself, OSHA (Occupational Safety and Health Administration) has established certain safety regulations that the employers (users) must comply with so that the machines used in their plants, factories or facilities are thoroughly inspected and are in first-class operating condition before any of the enclosed equipment is installed.

Duties:
Sec. 5.(a) Each employer —
(1) shall furnish to each of his employees employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to his employees;
(2) shall comply with occupational safety and health standards promulgated under this Act.
(b) Each employee shall comply with occupational safety and health standards and all rules, regulations, and orders issued pursuant to this Act which are applicable to his own actions and conduct.

2. OSHA’s Code of Federal Regulations, Subpart O, that an employer (user) must comply with include:
Section 1910.211 Definitions
Section 1910.212 (a) General Requirements for all Machines
Section 1910.217 Mechanical Power Presses
Section 1910.219 (b) (1) Mechanical Power-Transmission Apparatus (Flywheel and Gear Covers)


4. OSHA’s Publications
These publications can be obtained by contacting:
Superintendent of Documents
US Government Printing Office
P.O. Box 371954
Pittsburgh, PA 15250-7954
Phone: (202) 512-1800
Fax: (202) 512-2250
www.gpo.gov

ANSI SAFETY STANDARDS FOR MACHINES
The most complete safety standards for machine tools are published in the ANSI (American National Standards Institute) B11 series. The following is a list of each ANSI B11 Standard available at the printing of this publication.

B11.1 Mechanical Power Presses
B11.2 Hydraulic Presses
B11.3 Power Press Brakes
B11.4 Shears
B11.5 Iron Workers
B11.6 Lathes
B11.7 Cold Headers and Cold Formers
B11.8 Drilling, Milling and Boring
B11.9 Grinding Machines
B11.10 Sawing Machines
B11.11 Gear Cutting Machines
B11.12 Roll Forming and Roll Bending
B11.13 Automatic Screw/Bar and Chucking
B11.14 Coil Slitting Machines
B11.15 Pipe, Tube and Shape Bending
B11.16 Metal Powder Compacting Presses
B11.17 Horizontal Hydraulic Extrusion Presses
B11.18 Coil Processing Systems
B11.20 Safety Requirements for Manufacturing Systems/Cells
B11.21 Lasers
B11.22 CNC Turning Machines
B11.23 Machining Centers
B11/TR1 Ergonomic Considerations for the Design, Installation and Use of Machine Tools
B11/TR2 Mist Control
B11/TR3 Hazard ID and Control
B11/TR4 Control Reliability
R15.06 Robotic Safeguarding

These standards can be purchased by contacting:
American National Standards Institute, Inc.
11 West 42nd Street
New York, New York 10036
Phone: (212) 642-4900
Fax: (212) 302-1286
www.ansi.org

OR
Association of Manufacturing Technology (AMT)
7901 Westpark Drive
McLean, Virginia 22102
Phone: (703) 827-5211
Fax: (703) 893-1151
www.mfgtech.org

(Continued on next page.)
SECTION 1—IN GENERAL
Gate or Movable Barrier Device (Type “A” or “B” Gate)

WARRANTY
Rockford Systems, LLC warrants that this product will be free from defects in material and workmanship for a period of 12 months from the date of shipment thereof. ROCKFORD SYSTEMS LLC’S OBLIGATION UNDER THIS WARRANTY IS EXPRESSLY AND EXCLUSIVELY LIMITED to repairing or replacing such products which are returned to it within the warranty period with shipping charges prepaid and which will be disclosed as defective upon examination by Rockford Systems, LLC. This warranty will not apply to any product which will have been subject to misuse, negligence, accident, restriction and use not in accordance with Rockford Systems, LLC’s instructions or which will have been altered or repaired by persons other than the authorized agent or employees of Rockford Systems, LLC. Rockford Systems, LLC’s warranties as to any component part is expressly limited to that of the manufacturer of the component part.

DISCLAIMER
The foregoing Warranty is made in lieu of all other warranties, expressed or implied, and of all other liabilities and obligations on the part of Rockford Systems, LLC, including any liability for negligence, strict liability, or otherwise, and any implied warranty of merchantability or fitness for a particular purpose is expressly disclaimed.

LIMITATION OF LIABILITY
Under no circumstances, including any claim of negligence, strict liability, or otherwise, shall Rockford Systems, LLC be liable for any incidental or consequential damages, or any loss or damage resulting from a defect in the product of Rockford Systems, LLC.

OTHER SAFETY SOURCES
National Institute of Occupational Safety and Health (NIOSH)
4676 Columbia Parkway
Cincinnati, OH 45226
Robotic Industries Association (RIA)
P.O. Box 3724
Ann Arbor, MI 48106
Phone: (313) 994-6088

For additional safety information and assistance in devising, implementing or revising your safety program, please contact the machine manufacturer, your state and local safety councils, insurance carriers, national trade associations and your state’s occupational safety and health administration.

WARRANTY
Rockford Systems, LLC warrants that this product will be free from defects in material and workmanship for a period of 12 months from the date of shipment thereof. ROCKFORD SYSTEMS LLC’S OBLIGATION UNDER THIS WARRANTY IS EXPRESSLY AND EXCLUSIVELY LIMITED to repairing or replacing such products which are returned to it within the warranty period with shipping charges prepaid and which will be disclosed as defective upon examination by Rockford Systems, LLC. This warranty will not apply to any product which will have been subject to misuse, negligence, accident, restriction and use not in accordance with Rockford Systems, LLC’s instructions or which will have been altered or repaired by persons other than the authorized agent or employees of Rockford Systems, LLC. Rockford Systems, LLC’s warranties as to any component part is expressly limited to that of the manufacturer of the component part.

DISCLAIMER
The foregoing Warranty is made in lieu of all other warranties, expressed or implied, and of all other liabilities and obligations on the part of Rockford Systems, LLC, including any liability for negligence, strict liability, or otherwise, and any implied warranty of merchantability or fitness for a particular purpose is expressly disclaimed.

LIMITATION OF LIABILITY
Under no circumstances, including any claim of negligence, strict liability, or otherwise, shall Rockford Systems, LLC be liable for any incidental or consequential damages, or any loss or damage resulting from a defect in the product of Rockford Systems, LLC.
SECTION 2—INTRODUCTION
Gate or Movable Barrier Device (Type “A” or “B” Gate)

General Description of Components in the System
A complete gate assembly includes the following:

1. Literature folder (see pages 7 and 8) containing installation manuals, “Operator Safety Precaution” Pamphlet, danger sign(s), and electrical control schematics
2. Gate assembly consisting of frame, polycarbonate front panel with either a limit switch or proximity switch
3. Gate air cylinder assembly including mounting bracket
4. Two quick dump valves with mufflers (Provides quicker exhausting of trapped air from the air cylinder to the atmosphere)
5. Two solenoid air valve assemblies with mufflers
6. Regulator-gauge assembly with mounting bracket (Adjusts the air pressure to the proper setting needed for the operation of the gate air cylinder)
7. Remote two-position “off/on” key-operated station (if required)

Individual packages may vary in contents. However, a packing list is always enclosed showing exactly what material was shipped on this order. Please check the components actually received against this packing list immediately. This gate assembly is often furnished with a full revolution or part revolution clutch control for mechanical power presses. Please refer to the clutch control schematics for proper interfacing.

Preliminary Steps Before Installation
Before proceeding with the installation of the enclosed equipment, you should undertake the following preliminary steps.

1. Read and make sure you understand this entire Installation Manual.
2. Refer to the front cover, other line drawings, and photos, found in this manual. Next, make a rough sketch of your installation to plan the location of the enclosed equipment on the machine.
3. Please make sure the machine is in first-class condition. Before starting any installation, it is essential that the machine is thoroughly inspected. Be sure that all mechanical components and all collateral equipment are in first-class operating condition. Your inspection should be done according to the machine manufacturer’s installation and maintenance instruction manual. Special attention must be given to the machine clutch and brake. The clutch and brake must be maintained in an operating condition which is within the specifications set by the machine manufacturer. If you have any doubts or questions concerning the condition of the machine, contact the machine manufacturer for assistance. Repair or replace all parts not operating properly before proceeding.

Inspection and maintenance programs must be established and implemented to keep machines in first-class condition. Programs must include thorough inspections of each machine on a weekly basis and records kept of these inspections. Any part of the machine that is worn, damaged or is not operating properly must be replaced immediately or repaired before the machine is used.

4. Verify that the machine is in first-class condition and operating properly; shut off all power to the machine. Padlock the electrical, pneumatic or hydraulic energy disconnecting means in the “off” position. Do not actuate the machine again until the installation of all package components has been completed. Lockout/tagout energy isolation procedures must always be practiced and enforced.
SECTION 3—INSTALLATION OF COMPONENTS
Gate or Movable Barrier Device (Type “A” or “B” Gate)

Introduction

The following materials are also required to install the equipment in this shipment.

1. Wire: Size and type will depend on local ordinances or plant practices. We recommend stranded machine tool wire with appropriate color coding. **Never use solid wire**—the vibration caused by these machines precludes the successful use of solid wire for these installations.

2. Numbered Wire Markers: Made of suitable material to resist oil, grease, etc. and remain firmly attached to the wire.

3. Conduit: Use Sealtite or any other suitable tubular connecting means which complies with National Standards or local ordinances and provides adequate mechanical protection for the wires. Most electrical components are supplied in an oil-tight construction and we strongly recommend the use of oil-tight wiring components and practices in order to produce a successful installation.

4. Miscellaneous wiring components such as electrical tape, wire connectors, and terminals, as required.

5. Flexible air line hose can be made of rubber or plastic; make sure they are cut to the proper length.

Installation of Components

**LITERATURE FOLDER**

Included with every shipment is a literature folder. This includes installation manuals, “Operator Safety Precaution” Pamphlet (Part No. KSC-000), danger sign(s), and electrical schematics. These publications must be available and fully understood by all appropriate personnel, before any retrofit installation begins. Please notify Rockford Systems, LLC immediately if there are any questions about the components received.

**Operator Safety Precaution Pamphlet**—attachment for anyone operating this machine

Accompanying this equipment is an 8-1/2” x 11” operator safety precaution pamphlet, Part No. KSC-000, for anyone operating the machine where this equipment will be installed. This precaution pamphlet is to be given to all operators, including setup people, maintenance personnel and supervisors.

Attach it to the machine, readily accessible and visible to the operator. (A hole in the corner is provided for attaching purposes.) Additional copies of this precaution are available. Please call, write, fax, e-mail or use the order form found on a later page in this manual.

When a language barrier or insufficient education prevents a person from reading or understanding the contents of this pamphlet, you should either translate this information or have it read or interpreted to the person. Make sure that the person understands the information. To order this pamphlet in Spanish, use Part No. KSC-000S; in French, use Part No. KSC-000F.

This precaution pamphlet must be reviewed daily.

(Continued on next page.)
SECTION 3—INSTALLATION OF COMPONENTS
Gate or Movable Barrier Device (Type “A” or “B” Gate)

Installation of Components (continued)

Danger Sign (Standard) - Part No. KSC-054
This 5” x 6” polyethylene danger sign is supplied and must be permanently mounted in a prominent location on the machine where this equipment is installed. It must be in a location that is easily visible to the operator, setup person, or other personnel who work on or around this machine. Always mount this sign with screws or rivets. Other suggested mounting instructions are shown on the reverse side of this sign. This sign must be the first thing mounted to prevent any possibility that it might be overlooked. If this sign becomes destroyed or unreadable, it must be replaced immediately. Contact factory for replacement and do not operate the machine until the danger sign is in place.

Foot Switch Danger Sign - Part No. KSC-055
If a foot switch is ordered, a 5” x 6” polyethylene danger sign is furnished. This sign must also be mounted according to the above instructions.

Never operate this machine unless the danger sign(s) is in place. Also make sure the sign(s) is read and understood before operating the machine.

Part No. KSC-054 Danger Sign - Standard
Part No. KSC-054S - Spanish
Part No. KSC-054F - French
Part No. KSC-055 Danger Sign (Foot) - Standard
Part No. KSC-055S - Spanish
Part No. KSC-055F - French

“Mechanical Power Press Safety” Booklet
A copy of Booklet No. MPPS (“Mechanical Power Press Safety”) is available upon request. This booklet is copied verbatim from the CFR (Code of Federal Regulations) and contains all relevant sections of the OSHA Regulations concerning power presses with which an employer (user) must comply. The enclosed equipment must be installed, used and maintained to meet these regulations. Specifically, any time a foot switch is used, a suitable point-of-operation safeguard or device must be used to prevent bodily injury. In addition, every press must be provided with a point-of-operation safeguard! Please review this booklet and the appropriate ANSI (American National Standards Institute) Safety Standard before installing the enclosed equipment. If you are unfamiliar with these detailed safety regulations, which include regulations on safeguarding the point of operation properly, you may want to attend our regularly scheduled machine safeguarding seminar. To obtain detailed information about this training seminar, please call, fax, write, or check our web site. Our address, telephone, fax number, and web site address are on the front cover of this manual.

(Continued on next page.)
SECTION 3—INSTALLATION OF COMPONENTS
Gate or Movable Barrier Device (Type “A” or “B” Gate)

Installation of Components (continued)

AIR CYLINDER AND GATE ASSEMBLY INSTALLATION

1. Unpack the gate assembly shipment (Photo 3.1).
   • Open all component packages before proceeding.
   • Make sure all components are included according to the packing list sent with your shipment.

2. Lay out the gate assembly on a work bench or the floor (Photo 3.2).

3. Locate the air cylinder and attach this cylinder to the gate assembly.
   • Locate the top-frame extrusion which has the T nuts in it. Fasten the air cylinder to the inside rail of the top-frame extrusion. To do this, remove the two button-head cap screws which are attached to the T nuts inside the channel of the extrusion. Reattach the cap screws through the bracket. Tighten both cap screws to the T nuts. Refer to Figure 3.1.
   • Attach the cylinder rod yoke to the bracket attached to the bottom rail of the panel. To do this, remove one C clip from one end of the pin located in the yoke then remove the pin. Slide the yoke over the bracket on the bottom rail of the panel (1). Reinsert the pin into the yoke (2). Slide the C clip back into the groove on the end of the pin (3). Refer to Figure 3.2.
   • Make sure the threaded inlet and outlet ports are accessible for the best hose routing.
   • Make sure the gate is in the full down position when it bottoms out on the rubber bumper.

4. Select the mounting location for the gate assembly and measure or spot holes on the machine.
   • Mount the gate assembly to the machine with the furnished mounting brackets, OR
   • Mount the gate assembly to side guards (Photo 3.3), OR
   • Mount the gate assembly to a special fabricated bracket (customer to furnish).

Note: Some machines, mainly OBI presses, may have irregular mounting surfaces. A special mounting plate may need to be fabricated to provide a sturdy mounting surface.

If the gate is large, additional support from the top of the gate to the machine may also need to be fabricated to provide sturdier mounting.

(Continued on next page.)
SECTION 3—INSTALLATION OF COMPONENTS
Gate or Movable Barrier Device (Type “A” or “B” Gate)

Installation of Components (continued)

HINGING FEATURE

Photo 3.4

The standard gate assembly is furnished with hinges to swing open the gate assembly. Loosen the button head cap screw from the locking plate (located on the top left extrusion). The gate will swing open to the left when die changing or maintenance is required. See Photo 3.4.

If the gate assembly is furnished with side guarding from the factory, the gate can be swung open to the left. To do this, release the deadbolt latch which is located on the top of the right extrusion. The gate and left side guard may also be swung open at the left rear panel, depending on the application requirements. See Photo 3.5.

GATE LIMIT SWITCH INSTALLATION (for relay-logic control when furnished)

Photo 3.6

Locate the gate limit switch (Photo 3.6).

- The “gate-down” limit switch is attached to the gate. Verify that the front panel makes contact with the actuator when the gate is in the down position when installed on the machine (Photo 3.7).

- Refer to the electrical diagrams furnished with your order for gate limit switch wiring instructions.

PROXIMITY SWITCH INSTALLATION (for solid-state control when furnished)

Photo 3.8

The “gate-down” proximity switch has been installed in the inside channel of the side rail of the frame (Photo 3.8).

Refer to the electrical diagrams furnished with your order for proximity limit switch wiring instructions.

(Continued on next page.)

Rockford Systems, LLC.
Call: 1-800-922-7533 (USA)
SECTION 3—INSTALLATION OF COMPONENTS
Gate or Movable Barrier Device (Type “A” or “B” Gate)

Installation of Components (continued)

DUMP VALVE INSTALLATION (OPTIONAL)

Note: Two dump valves are recommended to ensure fast and smooth operation of the gate.

Figure 3.3

1. Locate the two dump valves and the two threaded mufflers.
2. Thread one muffler into the dump valve port marked EXH (exhaust). Repeat this procedure for the second muffler. Refer to Figure 3.3.
3. Connect the quick dump valves to the air cylinders. Refer to Figures 3.3 and 3.4.
   • With a male coupling, connect the dump valve port marked CYL (cylinder) on one dump valve to the top threaded inlet port of the air cylinder.
   • With a male coupling, connect the dump valve port marked CYL (cylinder) on the second dump valve to the bottom threaded inlet port of the air cylinder.
4. Refer to Step 4 of the Solenoid Valve Installation Section on the next page to connect the dump valves to the solenoid valves.

Figure 3.4
Pneumatic Installation Diagram

(Continued on next page.)
Installation of Components (continued)

Solenoid Valve Installation

1. Locate the two solenoid valves and mufflers.

2. Attach each muffler on the threaded fitting located on the top of each valve (Photo 3.9).

3. Select the mounting location on the machine for both solenoid valves.
   - Refer to the installation diagram on page 11, and to your layout sketch for placement of the solenoid valves on the machine.
   - The valves should be mounted in a vertical position for optimum performance.
   - Mount both solenoids so the outlet port (marked “1” on the valve body) points toward the air cylinder. Port “1” is the cylinder connection. Port “2” is for the incoming air (Photo 3.9).

4. Using flexible hose (rubber or plastic), connect Port “1” of one solenoid valve to the IN port of one dump valve. Repeat this procedure for the second solenoid and dump valve. Refer to Figures 3.3 and 3.4 on page 11).

5. Refer to the electrical diagrams furnished with your order for solenoid valve wiring instructions.
   - The solenoid valve that connects to the top port of the air cylinder is only energized after the gate has closed and holds the gate closed during the hazardous portion of the machine cycle.
   - The solenoid valve that connects to the bottom port of the air cylinder (when energized) lifts the gate up and holds the gate up until the next cycle begins.
   - If the controls are arranged for a Type “A” gate, the top solenoid will stay energized until the machine cycle has stopped. If the controls are arranged for a Type “B” gate, the solenoid will deenergize just after the hazardous portion of the machine cycle (bottom dead center on mechanical power presses).
SECTION 3—INSTALLATION OF COMPONENTS
Gate or Movable Barrier Device (Type “A” or “B” Gate)

Installation of Components (continued)

REGULATOR AND GAUGE INSTALLATION

1. Assemble the regulator and gauge (Figure 3.5).
   • Pipe incoming air from a connection made in the main air supply to the regulator inlet port.
   • Locate the inlet port (indicated by the tail of the air flow arrow) and orient the unit so that the outlet port points toward the solenoid valve.
   • Install the pipe plug in the port that is located against the mounting surface.
   • Install the gauge in the port opposite the pipe plug.
   • Pipe air from the regulator outlet Port to Port “2” of both solenoid valves.

2. Adjust the gate regulator to provide 45±5 PSI to the gate for initial operation.
   • This may need to be increased or decreased depending on the size of the gate. Adjust the air to optimum pressure.

Other Components That May Be Required

TYPE “A” GATE REMOTE STATION

1. Select a mounting location which is convenient for the operator. Measure or spot the holes for the remote station on the machine (Photo 3.10).
   • Make sure the location of the remote station is not in the way of the “up” and “down” movement of the gate.

2. Wire the remote station to the control box.
   • Refer to the electrical diagrams furnished with your order for wiring instructions.
**SECTION 4—OPERATING CONSIDERATIONS**
*Gate or Movable Barrier Device (Type “A” or “B” Gate)*

**Wiring**
Refer to the wiring schematics furnished with your order for proper wiring of the Type “A” or Type “B” Gate. Be sure to use stranded wire.

**Machine Limit Switch (Customer to Furnish)**
Control of the gate requires a signal from the machine at “top of stroke.” This signal is normally obtained from a limit switch operated from a cam located at “top-dead-center” in the machine cycle. This switch should be mounted firmly on a suitable bracket and adjusted so that the switch will be operated by the cam at the top of the stroke. Actuation of the limit switch is accomplished by the rotation of the crankshaft, or any other member of the machine which makes one revolution or oscillates one direction per stroke. The limit switch should be held actuated when the ram is at the top of the stroke.

**Gate Operation**
The gate assembly has been tested at the factory, but the following procedure should be used to check and align the gate assembly.

Raise the gate by hand and allow it to drop by gravity. When properly adjusted, it should drop smoothly without binding or hesitation. Should difficulty be encountered in the gate operation, verify that the air cylinder bracket is centered on the polycarbonate panel.

**Note:** Excessive air pressure may cause serious damage to the gate. Most gates will operate satisfactorily in the 45-50 PSI max. range. Only the largest sizes may require more pressure for suitable operation. However, these should not exceed 60-70 PSI max.

On some larger gates, it may be necessary to install a flow control valve in the appropriate air line to obtain satisfactory operation. Proper adjustment of these valves, when installed, will provide simple control for proper operating speed in either the raise or lower cycle, or both. Flow control valves can be purchased from local air suppliers.

**SECTION 5—GATE SIZES AND REPLACEMENT PARTS**
*Gate or Movable Barrier Device (Type “A” or “B” Gate)*

<table>
<thead>
<tr>
<th>GATE ASSEMBLY PART NUMBER AND SIZE</th>
<th>GATE OPENING WIDTH</th>
<th>OUTSIDE DIMENSIONS WIDTH</th>
<th>PANEL SIZE (H X L)</th>
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<tbody>
<tr>
<td>KYT-076</td>
<td>12”</td>
<td>14”</td>
<td>12” x 12”</td>
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<tr>
<td>KYT-077</td>
<td>18”</td>
<td>20”</td>
<td>15” x 18”</td>
</tr>
<tr>
<td>KYT-078</td>
<td>18”</td>
<td>20”</td>
<td>15” x 21”</td>
</tr>
<tr>
<td>KYT-079</td>
<td>24”</td>
<td>26”</td>
<td>21” x 21”</td>
</tr>
<tr>
<td>KYT-080</td>
<td>30”</td>
<td>32”</td>
<td>30” x 21”</td>
</tr>
</tbody>
</table>

*The gate assembly includes the following components:

- Gate Frame Assembly
- Polycarbonate Front Panel
- Limit Switch or Proximity Switch
- Air Cylinder
- Quick Dump Valve (2)
- Solenoid Valve (2)
- Regulator-Gauge and Mounting Bracket

Special gate assembly sizes are available. Please consult factory for details.
To return material for any reason contact the sales department in our organization at 1-800-922-7533 for an R.M.A. Number. All returned materials shipments must be prepaid. Complete this form and send with material to 5795 Logistics Parkway, Rockford, IL 61109. Make sure the R.M.A. Number is plainly identified on the outside of the shipping container.

Company ____________________________________________________________

Address ____________________________________________________________

City __________________________ State ____________ Zip ____________

Phone __________________________ Fax __________________________

Contact Name________________________ E-mail Address __________________________

**Items Authorized To Return on R.M.A. No.**___________ **Original Invoice No.**_______ **Date** _______

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Serial No.</th>
<th>Description</th>
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**Service Requested** ☐ Full Credit ☐ 25% Restocking ☐ Repair & Return ☐ Warranty Replacement

Reason for return (describe in detail):

________________________________________________________________________

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Return Materials Authorized by __________________________ Date __________________________
This instruction manual references signs and literature available for your machines. This order form is for your convenience to order additional signs and/or literature as needed. (This order form is part of your installation manual so please make a copy of it when ordering.)

Company ____________________________________________
Address ______________________________________________
City __________________________ State __________ Zip __________
Phone __________________________ Fax __________________________
Name __________________________ Purchase Order No. __________ Date __________

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<td>Installation Manual</td>
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<td>KSC-000</td>
<td>Precaution Pamphlet (English)</td>
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<td>KSC-000S</td>
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<td>KSC-000F</td>
<td>Precaution Pamphlet (French)</td>
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<td>SFM</td>
<td>Catalog - “Shields for Machinery”</td>
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For prices and delivery, please use address, phone or fax number listed on the front cover of this manual.

Your Signature __________________________ Date __________________________