

## SD SERIES - SPECIFICATION DATA SHEET 1.5



### Kirk Key Interlock Company

9048 Meridian Circle NW, North Canton, OH 44720

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## Type DM - Access Door Interlock



The Type DM access door interlock is designed for hinged doors, manhole covers, sliding doors or any sort of hatch or lid. It is well suited for loose fitting doors or hatches that will not accommodate a precise fitting door lock.

The Type DM consists of a main body and a latch bolt with twelve links of 316 stainless steel chain. The lock body can be mounted to the equipment and the chain can be bolted or welded to the door or hatch with the proper amount of "slack" for the latch bolt to reach the DM lock body.

Under normal conditions the key is upstream in the interlock scheme and the chain/bolt is trapped in the lock securing the door in the closed position. The latch bolt cannot be released until the key is inserted and turned. Only then can the latch bolt be rotated 1/4 turn and released from the lock – thereby trapping the key. The door or hatch must be closed and the latch bolt must be returned to the lock body in order to free the key.

The interlock housing is made from brass. The latch bolt is made from 316 stainless steel and has a gasket to protect against the introduction of dust and dirt into the lock body.

### OPTIONS

- Key Removable - the single cylinder Type DM is always built key removable "E", which means the key is released only when the latch bolt is trapped in the lock body (door locked).
- Multi-Cylinder - up to 2 cylinders available. The first cylinder will always be "E" (see above). A two cylinder DM interlock requiring two keys to unlock should be designated "E" for both cylinders. If the second cylinder of a two cylinder DM is to provide a "Personnel Key" that is available when the door is unlocked, designate that cylinder as key removable "W". ("E" keys are trapped when the door is unlocked, "W" keys are trapped when the door is locked.)

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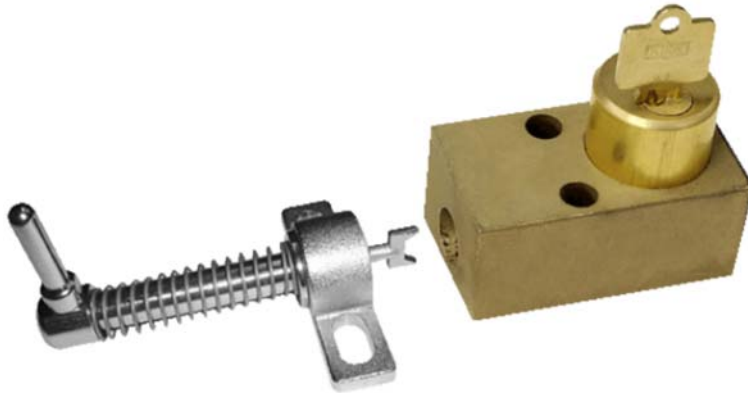
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#### OPTIONS (Continued)

- Stamp Key Interchange - specify an alphanumeric code to be stamped on the cylinder face and the key (e.g. A1, A2, B1, etc. - up to 5 characters). See SD Series Data Sheet for Keys (3.4) and Terminology (4.1) for details.
- Latch Bolt with Spring and Mounting Bracket - seen in photo above. See SD Series Data Sheet for Latch Bolt Options (1.5A) for details.
- Protective Covers - see SD Series Data Sheet for Protective Covers (3.1) for details.
- Auxiliary Switches - see SD Series Data Sheet for Type Thermoplastic (2.3) for details.
- Mounting Bolts - see SD Series Data Sheet for Mounting Bolts (3.2) for details.
- DM2 and DM4 Adapter Plates – see SD Series Data Sheet for Mounting Options (1.5B).
- "Opposite Hand" is NOT available for this lock. See SD Series Data Sheet for Terminology for details.

Caution: The Type DM interlock should not be used as the latching means for holding the door, hatch, or cover in the closed position.

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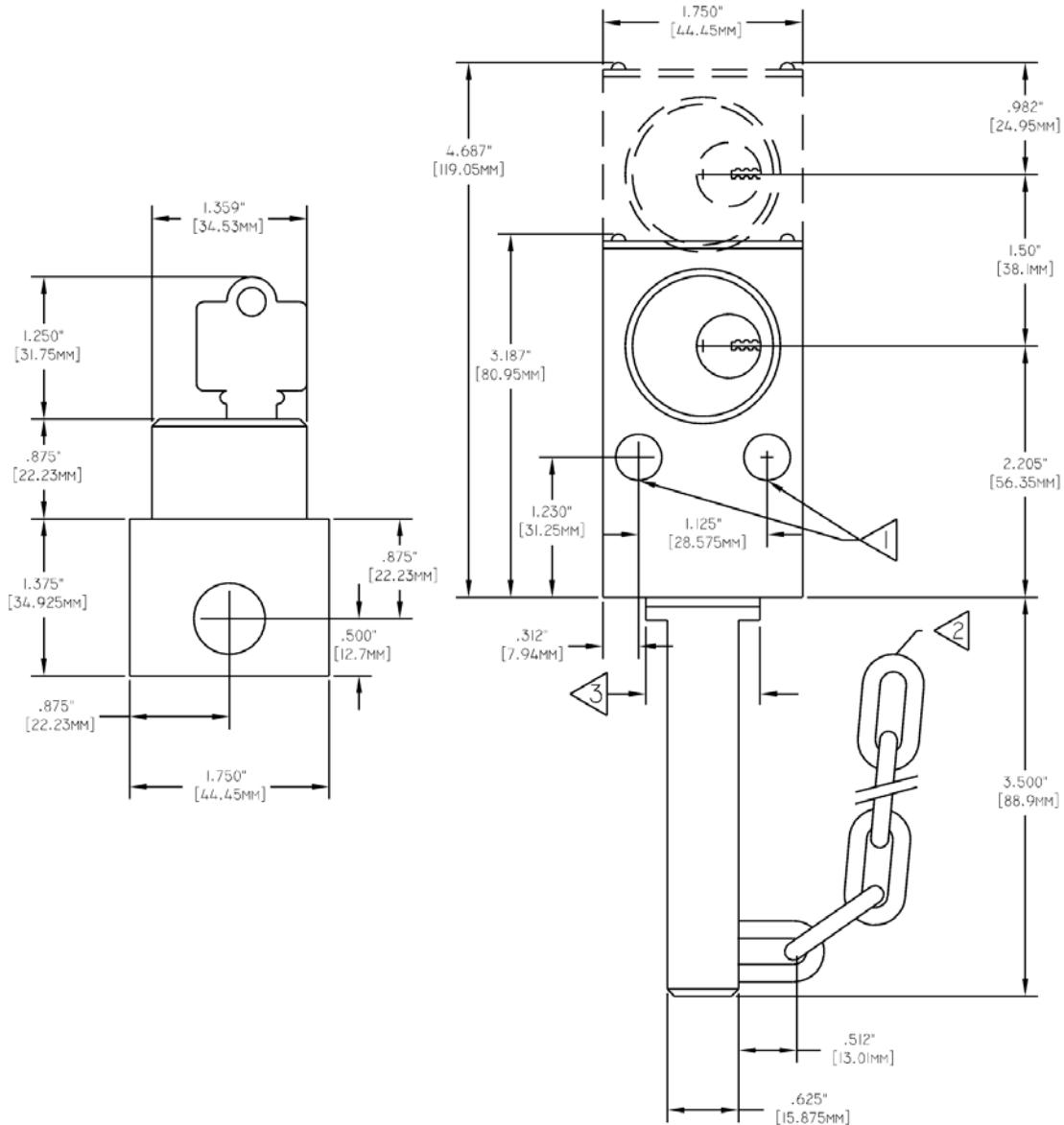
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### NOTES:

- 1) 0.4062" (10.32mm) holes.
- 2) 12 links of chain (approx. 11"). Field weld chain to door or jamb. Allow 1" (25.4mm) slack.
- 3) 1" (25.4mm) diameter collar and gasket.

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