Horizontal Sliding Doors (ICC-5 Operator) - Wiring Diagrams

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1-When using Stop switches, remove/cut jumper located over control panel terminal blocks 3 and 4
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3-Only (2) doors can be interlinked together. External relays by others must be used to interlock more than (2) doors.
4-Traffic sensor may be a photo-eye, a magnetic loop, a motion sensor, etc. Sensor must have a normaly open dry contact. Sensors provided by R-Plus Doors may be powered using 24VDC power available in control panel.

WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.
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**microStar M (Exterior)**

- Power
- N.O. (Normally Open)
- Common
- N.C. (Normally Closed)

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**microStar M (Interior)**

- Power
- N.O. (Normally Open)
- Common
- N.C. (Normally Closed)

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**ICC-5 Control Panel**

- Power
- N.O. (Normally Open)
- N.C. (Normally Closed)
- Common
- Traffic
WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.
NOTE: REMOVE JUMPER BETWEEN CONTROL PANEL TERMINAL BLOCKS 1 AND 2

WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.

Door leaf Junction Box

Air Switch

3-Button Station (Exterior)

Signal Cord (to control panel)

3-Button Station (Interior)

Air Switch

3-Button Station (Exterior)

3-Button Station (Interior)

NOTE: REMOVE JUMPER BETWEEN CONTROL PANEL TERMINAL BLOCKS 1 AND 2

WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.

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5 - ICC-5 Door / Internal Wiring / Master Leaf / (2) 3-button Stations
NOTE: REMOVE JUMPER BETWEEN CONTROL PANEL TERMINAL BLOCKS 1 AND 2

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Door leaf Junction Box

Air Switch

Signal Cord
(to control panel)

Open Switch
(Exterior)

Open Switch
(Interior)

-24VDC (RD)
Close (BL)
Stop Loop OUT (YL)
Pull Cord (GY)
Open (PK)
Stop Loop IN (GN)
Safety Edge (BN)
+24VDC (WT)

Open Switch
(Exterior)

Open Switch
(Interior)

CS # 11

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Air Switch

Operate Switch
(Exterior Or Interior)

Door leaf Junction Box

Signal Cord
(to control panel)

-24VDC (RD)

Close (BL)

Pull Cord (GY)

Open (PK)

Safety Edge (BN)

Stop Loop IN (GY)

Stop Loop OUT (YL)

+24VDC (WT)

WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.
WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.

Air Switch

Operate Switch (Exterior)

Operate Switch (Interior)

Signal Cord (to control panel)

+24VDC (WT)
Safety Edge (BN)
Stop Loop IN (GN)
Stop Loop OUT (YL)
Pull Cord (GY)
Open (PK)
Close (BL)
-24VDC (RD)

CS #

08/21/2011

11 - ICC-5 Door / Internal Wiring / Master Leaf / (2) Press-To-Operate Switch
WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.
Door leaf Junction Box

Air Switch

Signal Cord (to control panel)

Operate Switch (Exterior)

Operate Switch (Interior)

WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.
NOTE: REMOVE JUMPER BETWEEN CONTROL PANEL TERMINAL BLOCKS 2 AND 3

WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.

Air Switch

Door leaf Junction Box

Lock Hasp
(Exterior)

Personnel Door
(Exterior)

Signal Cord
(to control panel)

+24VDC (WT)
Safety Edge (BN)
Stop Loop IN (BK)
Stop Loop OUT (YL)
Pull Cord (GY)
Open (PK)
Close (BL)
-24VDC (RD)

Lock Hasp

Personnel Door

06/01/2018

14 - ICC-5 Door / Internal Wiring / Master Leaf / (1) Lock Hasp & (1) Personnal Door
WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.

NOTE: REMOVE JUMPER BETWEEN CONTROL PANEL TERMINAL BLOCKS 2 AND 3
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WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.
WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.

NOTE: REMOVE JUMPER BETWEEN CONTROL PANEL TERMINAL BLOCKS 1 AND 2

Signal Cord (to Control Panel)
- +24VDC [WT]
- Safety Edge [BN]
- Stop Loop IN [GN]
- Stop Loop OUT [YL]
- Pull Cord [GY]
- Open [PK]
- Close [BL]
- -24VDC [RD]

Signal Cord (to Master door leaf)
- +24VDC [WT]
- Safety Edge [BN]
- Stop Loop IN [GN]
- Stop Loop OUT [YL]
- Pull Cord [GY]
- Open [PK]
- Close [BL]
- -24VDC [RD]
WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.
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*Refer to door drawings for electrical specifications
WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.

HEATER MODULE (4x4 J-box)

2x4 J-BOX (on door trailing edge)

In line thermostat

Door Leaf Heat Cable*

Crimp Connector

[BLK] [GRN] [WHT] [BLK] [BLK]

Heated Window < 1A, 110W

4x4 J-BOX (on door leaf face)

SJ cord w/ quick-connects

SLAVE LEAF ASSEMBLY

HEATER MODULE (4x4 J-box)

2x4 J-BOX (on door trailing edge)

In line thermostat

Door Leaf Heat Cable*

Crimp Connector

[BLK] [GRN] [WHT] [BLK] [BLK]

Heated Window < 1A, 110W

4x4 J-BOX (on door leaf face)

SJ cord w/ quick-connects

MASTER LEAF ASSEMBLY

Supplied by Customer

110 VAC Phase [BLK]

110 VAC Neutral [WHT]

Ground [GRN]
WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.

NOTE: Photo-eyes receivers sent with doors are preset at the factory.
Special Application #1:
- Secure device, like a card reader or keypad, opens the door from the outside
- Pull cord allows to open the door from the inside (open only)
- Door closes automatically on a timer
- Timer is disabled if traffic is detected, but:
  - Door door not open automatically open on traffic
  - Yet, door reverses if traffic is detected when closing
- Audio visual alarm activates 3 seconds before the door start an auto-close cycle
- Audio visual alarm is ON while the door is closing

WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.

NOTE: Photo-eyes receivers sent with doors are preset at the factory.
Special Application #2:

Adds (2) dry contacts that replicate the Interlink OUT signal. Signal is OFF when door is fully closed, ON otherwise. Signal can be used to control an air curtain or to provide a door ajar signal.

Each dry contact can be used as Normally Open (NO) or Normally Closed (NC).

This special application requires the addition of a DIN-mounted relay inside the control panel.