



**WON-DOOR
CORPORATION**
1865 SOUTH 3480 WEST
SALT LAKE CITY, UT 84104

fire & security solutions

THIS ELECTRICAL DETAIL TO BE USED
WITH SECURITY APPLICATIONS

FLAT 6 CONDUCTOR CABLE TO PERIPHERAL
MODULE BY WON-DOOR

(RLI) REMOTE LINE INTERFACE

PERIPHERAL CONTROLS BY
OTHERS WITHIN 6096 OF RLI

CLUTCH/ENCODER WIRE (WON-DOOR USE ONLY)
MOTOR WIRE (WON-DOOR USE ONLY)
BRAKE WIRE (WON-DOOR USE ONLY)
DOOR WIRE (WON-DOOR USE ONLY)

INTERNAL ALARM RELAY MODULE

NOTE: RELAY CONTACT RATED 1A
RESISTIVE @ 24VDC NON-SUPERVISED,
FORM "C", DRY CONTACT. CONNECT TO
POWER LIMITED SOURCES ONLY.

AUXILIARY RELAY FUNCTIONS

SUPERVISORY-CONTROLLER OFFLINE FOR SERVICE
TROUBLE-CONTROLLER FAULT DETECTED
DOOR-DOOR CLOSED/NOT CLOSED
ALARM OUT-CONTROLLER IN "ALARM" CONDITION
SEE OWNER MANUAL FOR MORE DETAILS.

ALARM INPUT

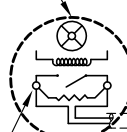
SMOKE DETECTOR OR FIRE ALARM, NORMALLY OPEN
(NORMALLY CLOSED AS OPTION), DRY CONTACT
REQUIRED FROM INITIATING SOURCE, SUPERVISED BY
WON-DOOR WITH END-OF-LINE 4.7KΩ RESISTOR

ALARM INPUT WIRING AND CONDUIT BY ELECTRICAL
CONTRACTOR..
2 CONDUCTOR LOW VOLTAGE STRANDED HOOKUP FROM
ALARM SYSTEM TO CONTROLLER. 18 GA TO 14 GA
ACCEPTABLE. POWER LIMITED NOT SUPERVISED. WIRING
AND CONDUIT PER NEC.

ALL J-BOXES, FACE PLATES, CONDUIT, AND
WIRES TO CONTROL BOX BY ELECTRICAL
CONTRACTOR

A.C. WIRING INTO "J" BOX. AND CONDUIT BY
ELECTRICAL CONTRACTOR.
COLOR CODED 2 CONDUCTORS WITH GROUND.
100-240 VAC, 60/50 Hz, 10 AMP.
BLACK = HOT
WHITE = COMMON
GREEN = GROUND

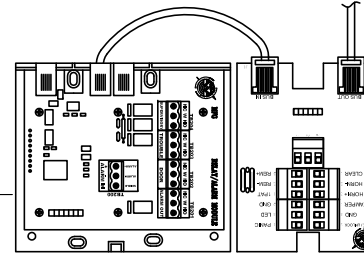
FIRE ALARM INITIATING DEVICE BY
ELECTRICAL CONTRACTOR



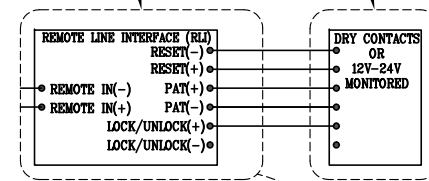
4.7 KΩ EOL RESISTOR BY WON-DOOR.

ALARM RELAY MODULE
(ARM)

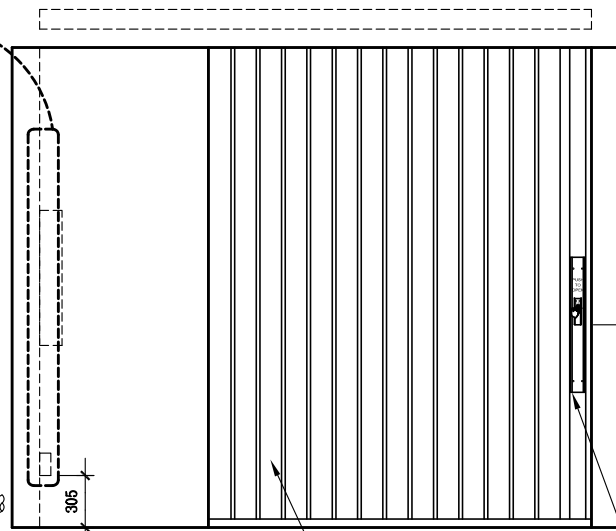
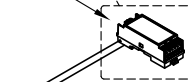
INTERNAL LOCK MODULE
(LOK MODULE)



LOW VOLTAGE
CIRCUITS



18 GA. STRANDED PAIR FROM CONTROL ROOM
TO BACK OF POCKET BY OTHERS



FOLDING FIRE PARTITION.

OPTIONAL EXIT HARDWARE TYPICAL ON EGRESS SIDE
OF THE DOOR.

CONDUIT WITH 18 GA. STRANDED PAIR
TO RLI BY OTHERS

ADDITIONAL FEATURES AVAILABLE UPON REQUEST:

1. **KEY SWITCH** (ADD ADDITIONAL CONDUIT IN BACK OF POCKET FROM "DC" "J" BOX TO "J" BOX LOCATED WITHIN LINE-OF-SIGHT OF THE PARTITION WITH 3 CONDUCTOR LOW VOLTAGE STRANDED WIRE 18Ga MIN. 14Ga MAX TO DOOR CONTROL BOX BY ELECTRICAL CONTRACTOR)
2. **SINGLE DOOR DISPLAY** (ADD ADDITIONAL "J" BOX CENTERED IN BACK OF POCKET 1676 MAX AFF WITH 51x102 MUD RING AND CONDUIT TO "J" BOX LOCATED IN WALL NEAR DOOR LOCATION WITH CAT 3 CABLE OR BETTER BY ELECTRICAL CONTRACTOR)
3. **OPTICAL OBSTRUCTION DETECTOR** (ADD ADDITIONAL CONDUIT IN BACK OF POCKET FROM "DC" "J" BOX TO "J" BOX LOCATED AT THE FACE OF POCKET WITH 4 CONDUCTOR 18Ga WIRE TO DOOR CONTROL BOX BY ELECTRICAL CONTRACTOR)
4. **MODBUS** NOT APPLICABLE WITH LOK/RLI