WEIGAND OR CLOCK AND DATA 500' MAX BELDEN 9844 OR EQUIVALENT

REDCLOUD MERCURY MR50

2x18

RS485 4000' MAX BELDEN 3106A OR EQUIVALENT

WEIGAND OR CLOCK AND DATA 500' MAX BELDEN 9844 OR EQUIVALENT

REDCLOUD MERCURY MR50

2x18

RS485 4000' MAX BELDEN 3106A OR EQUIVALENT

REDCLOUD MERCURY EP2500

TCP/IP

REDCLOUD WEB BASED PACS SYSTEM

** PIM400-TD2 xRLBD

2x18

UL294 12/24VDC POWER SUPPLY

120 VAC

** PIB300-2D xRLBD

2x18

UL294 12/24VDC POWER SUPPLY

120 VAC

RS485

2x18

2x18

UL294 12/24VDC POWER SUPPLY

120 VAC

UP TO 200' MAX

AD400 LOCK

AD300 LOCK

ELECTRIC HINGE

**

**

120 VAC UL 294 12/24VDC SUPPLY

- +

120 VAC UL 294 12/24VDC SUPPLY

+ -

120 VAC UL 294 12/24VDC SUPPLY

- +

PIM400-TD2 xRLBD **

J2 J1 J8 J7 J10 J11

J5 GND TB+ RB+ TA- RA-

STRIKE INPUT
STRIKE INPUT GND
D1/CLK
D0/DATA
GND
RTE
RTE
TROUBLE
TROUBLE
STATUS
STATUS
RX
RX

*

BELDEN 9844

WHT/GRN
WHT/BLU
BLU/WHT

BELDEN 9844

SHIELD

ORG/WHT
WHTORG

AD300 LOCK

VIN
GND
TDB+
TDA-

INSTALL SHORTING BLOCKS ON RS485 MODULE

ELECTRIC HINGE

ORG/WHT
WHT/ORG
WHT/BLU
BLU/WHT

120 VAC UL 294 12/24VDC SUPPLY

+ -

REDCLOUD MERCURY MR50

TB3
GND
BZR
LED
D1
D0
VO
TR+
TR-
GND
TB1

TB3
NC
C
NO
NO
NC
C
VIN
GND
I2
I2
I1
I1
TB2

PIB300-2D xRLBD **

J2 J1 J8 J7 J10 J11

J5 GND TB+ RB+ TA- RA-

STRIKE INPUT
STRIKE INPUT GND
D1/CLK
D0/DATA
GND
RTE
RTE
TROUBLE
TROUBLE
STATUS
STATUS
RX
RX

*

BELDEN 9844

WHT/GRN
WHT/BLU
BLU/WHT

ORG/WHT
WHT/ORG

SHEILD

REDCLOUD MERCURY MR50

TB3
GND
BZR
LED
D1
D0
VO
TR+
TR-
GND
TB1

TB3
NC
C
NO
NO
NC
C
VIN
GND
I2
I2
I1
I1
TB2

REDCLOUD MERCURY EP2500

TB1
VIN
GND
TMP
GND
FLT
GND

PORT 1 TR+ TR- RTS CTS GND
PORT 2 TR+ TR- GND
PORT 3 TR+ TR- GND

BLU/WHT
WHT/ORG
ORG/WHT
SHIELD

BELDEN 3106A

ORG/WHT
WHT/ORG
BLU/WHT
SHIELD

BELDEN 3106A

OPERATION:
REDCLOUD MERCURY MR50 VIA REDCLOUD EP2500 WILL SUPPORT A SINGLE PIM400-TD2/AD400 OR PIB300-TD2/AD300. EP2500 WILL SUPPORT UP TO TWO MR50 WITH A SINGLE AD LOCK PER MR50 AND A MAXIMUM OF 64 AD LOCKS VIA MR MODULES

UL294 POWER SUPPLIES USED SHOULD NOT BOND EARTH GROUND TO SIGNAL GROUND.

IF PLENUM RATED CABLE IS REQUIRED USE BELDEN 88104 FOR 9844 OR 82842 FOR 3106A OR EQUIVALENTS.

UL294 POWER SUPPLY SHOWN POWERS EACH OPENING INDIVIDUALLY. ADDITIONAL POWER SUPPLIES MAY BE REQUIRED BASED ON YOUR INSTALLATION NEEDS.

WIRING SHOWN REFLECTS FROM REDCLOUD MERCURY EP2500 TO REDCLOUD MERCURY MR50 AND ON TO PIM/PIB ONLY. ADDITIONAL WIRING WILL BE REQUIRED AND IS NOT SHOWN HERE.

REDCLOUD MERCURY MR50 ACCEPTS TWO INPUTS ONLY, INPUT CONNECTION FROM PIM/PIB TO BE DETERMINED BY OTHERS.

* SHIELD ON COMMUNICATION WIRES, BELDEN 9844 OR 3106A, SHOULD CONNECT TO EARTH GROUND AT ONE LOCATION ONLY, TYPICALLY AT REDCLOUD MERCURY EP2500 OR MR50.

** RLBD BOARD HIGHLY RECOMMENDED BY REDCLOUD AND WOULD BE REQUIRED IF INPUTS ARE TO BE DRY OR SUPERVISED CONTACTS.

NOTE: CONFIGURATION HAS NOT BEEN TESTED BY IR BUT HAS BEEN REVIEWED AND APPROVED BY REDCLOUD.

ALLEGION™

TITLE: REDCLOUD MERCURY EP2500 MR50 WITH PIM400-TD2/AD400 AND PIB300-2D/AD300
109450