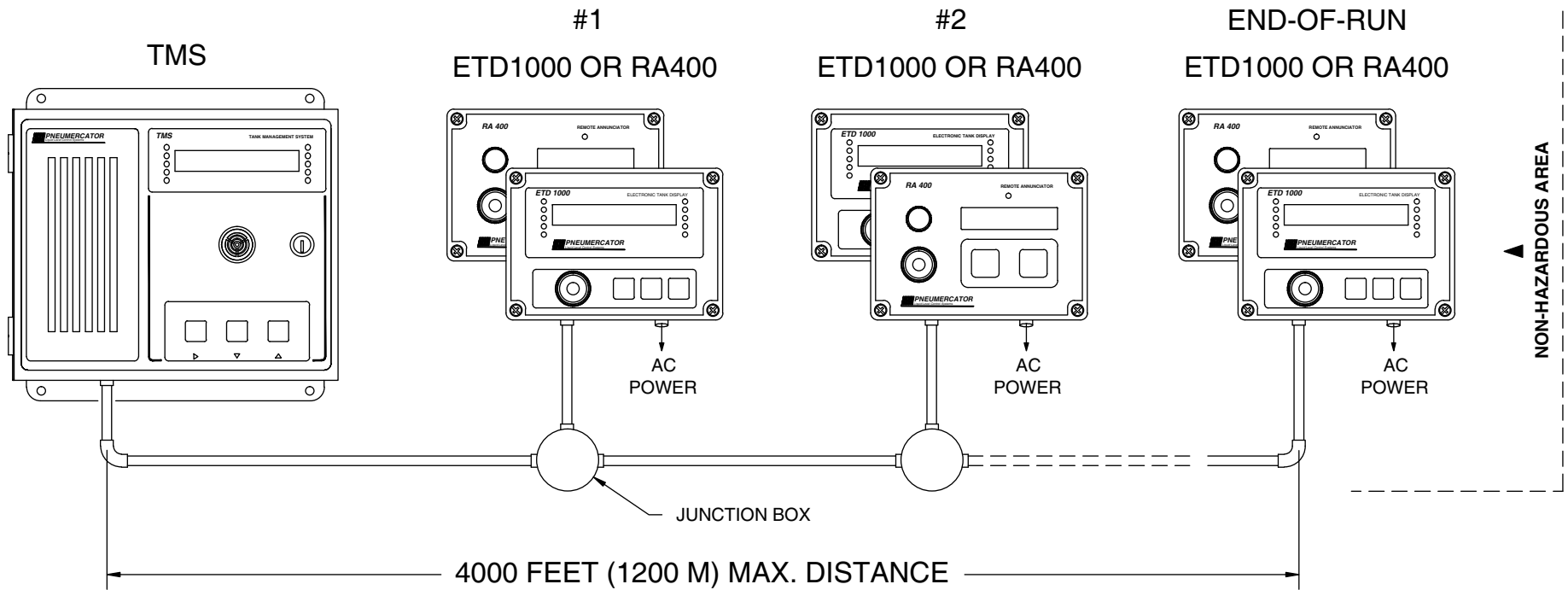


WIRING DRAWING - ETD1000 & RA400 (Wired)

COMMUNICATIONS TOPOLOGY



RECOMMENDED CABLE			
CABLE	PNEUM. P/N	PNEUM. MODEL	BELDEN P/N
RS-485 COMMUNICATIONS 24 AWG, 2/C (TWISTED PAIR) SHIELDED	122529-1	CW11-0500	9841 (PVC) OR EQUIV.
	122532-1	CW12-0500	89841 (FEP) OR EQUIV.

⚠ IMPORTANT NOTES - READ CAREFULLY BEFORE INSTALLATION

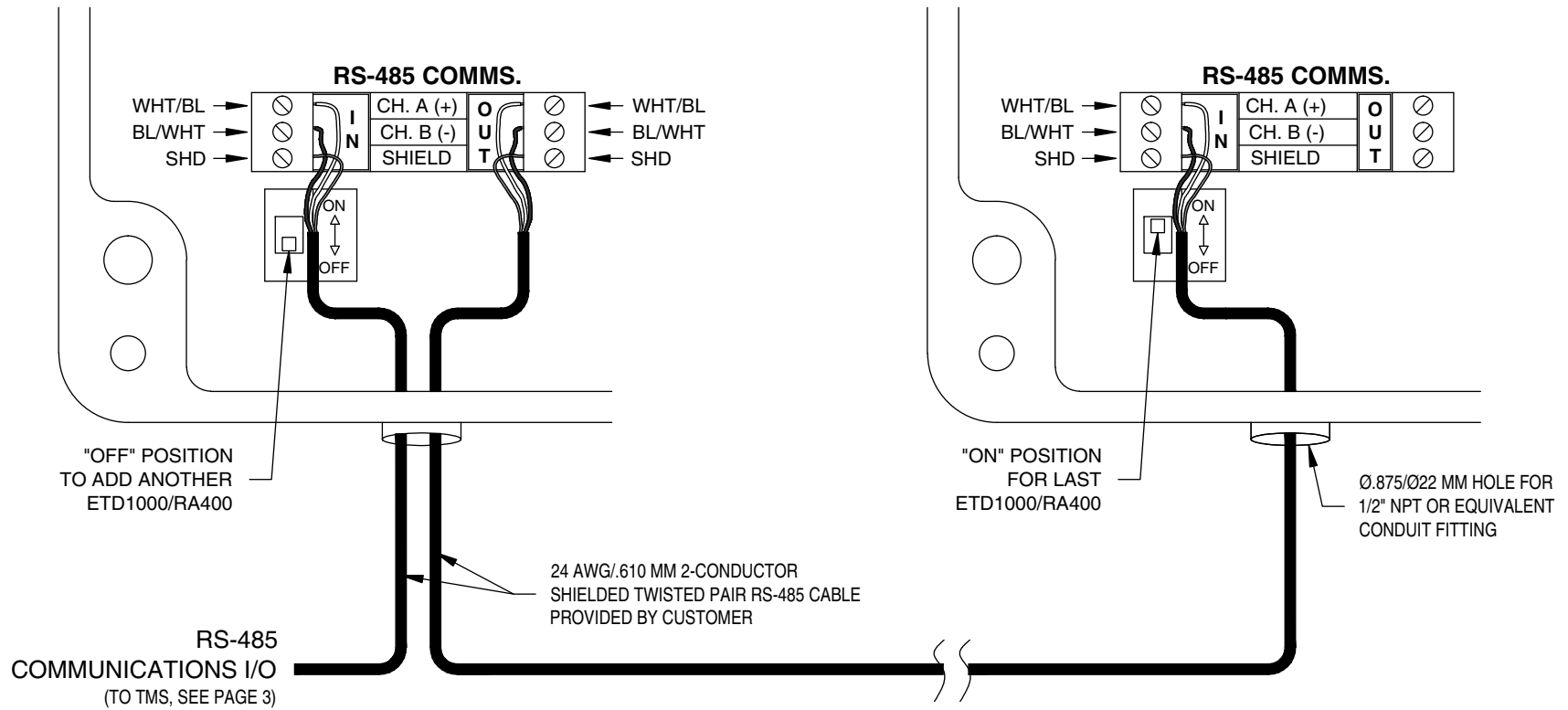
1. CONSOLE MOUNTING: NONE OF THE EQUIPMENT SHOWN INCLUDING RS2 (NOT SHOWN; SEE NOTE 2) AND TX1064 (SEE PAGE 5) SHOULD BE LOCATED IN THE HAZARDOUS CLASSIFIED AREA.
2. REFER TO RA400 INSTRUCTION MANUAL FOR WIRING DETAILS WHEN USING A PNEUMERCATOR MODEL RS2 REMOTE SWITCH ASSEMBLY TO EXTERNALLY TEST AND RESET THE RA400.
3. SEE PAGE 5 FOR ETD1000 INTERFACE WITH TX1064.

Questions? Contact Technical Support at (800) 209-7858

PNEUMERCATOR
Liquid Level Control Systems

ETD1000/RA400 RS-485 COMMUNICATIONS WIRING DETAIL

END-OF-RUN



NOTE:
THE LINE TERMINATOR SWITCH SHOULD BE SET TO THE "ON" POSITION ONLY FOR THE LAST ETD1000 OR RA400 IN THE CABLE RUN AS SHOWN ABOVE.

WIRING DRAWING - ETD1000 & RA400 (Wired)

TMS RS-485 COMMUNICATIONS WIRING DETAIL

TMS 2000

OR

TMS 3000

RS-485 COMMS.
3 POSITION
TERMINAL BLOCK

NOTE

CONTACT PNEUMERCATOR TECHNICAL SUPPORT AT (800) 209-7858 FOR A BOARD UPGRADE IF YOUR SYSTEM IS EQUIPPED WITH A 6 POS. TELCO MODULAR CONNECTOR.

SEE TMS INSTALLATION MANUAL FOR POWER AND OTHER WIRING INSTRUCTIONS

SEE TMS INSTALLATION MANUAL FOR POWER AND OTHER WIRING INSTRUCTIONS

24 AWG/.610 MM 2-CONDUCTOR SHIELDED TWISTED PAIR RS-485 CABLE PROVIDED BY CUSTOMER

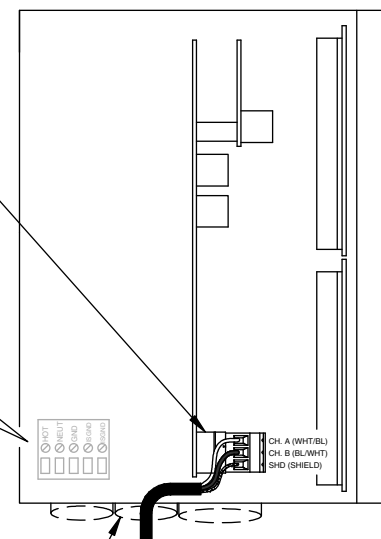
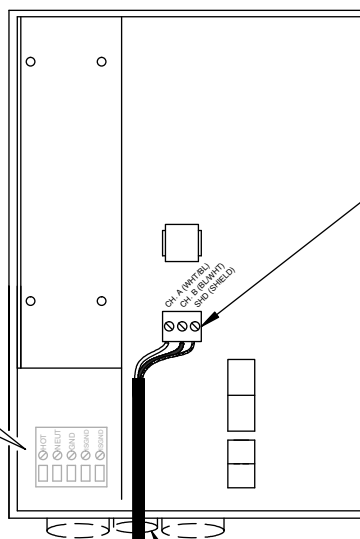
Ø.875/Ø22 MM KNOCKOUT FOR 1/2" NPT OR EQUIVALENT CONDUIT FITTING

RS-485 COMMUNICATIONS I/O
(FROM ETD1000/RA400, SEE PAGE 2)

Ø1.125/Ø29 MM KNOCKOUT FOR 3/4" NPT OR EQUIVALENT CONDUIT FITTING

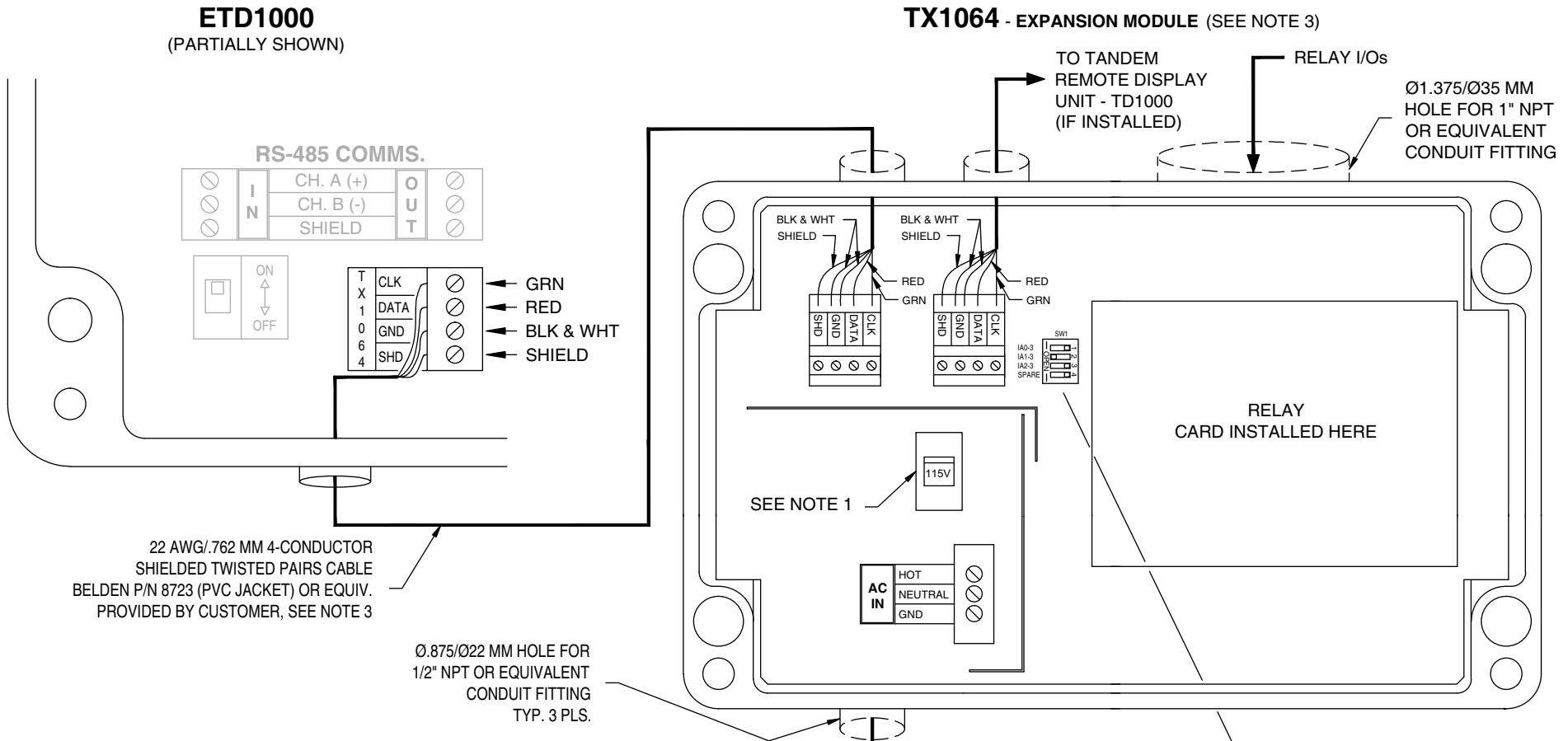
24 AWG/.610 MM 2-CONDUCTOR SHIELDED TWISTED PAIR RS-485 CABLE PROVIDED BY CUSTOMER

RS-485 COMMUNICATIONS I/O
(FROM ETD1000/RA400, SEE PAGE 2)



WIRING DRAWING - ETD1000 & RA400 (Wired)

ETD1000 INTERFACE w/ TX1064 - (See Page 4 for ETD1000 AC POWER WIRING)



- NOTES:
1. THE 115/230 VAC SWITCH **MUST BE SET** TO 115V FOR 115 VAC OPERATION OR 230V FOR 230 VAC OPERATION.
 2. THIS NOTE APPLIES TO **ETD1000 INTERFACE WITH TX1064** ONLY: FOR PROPER OPERATION, THE TX1064 UNIT MUST BE POWERED UP EITHER PRIOR TO OR SIMULTANEOUSLY WITH THE ETD. THIS CAN BE ACHIEVED AUTOMATICALLY BY POWERING THE TX1064 UNIT FROM THE SAME CIRCUIT BREAKER AS THE ETD.
 3. THE TX1064 IS TYPICALLY **INSTALLED BESIDE THE ETD** (WITHIN 50 FEET). CONSULT FACTORY FOR INSTALLATION ABOVE 50 FEET.

