CRITICAL ENVIRONMENT TECHNOLOGIES CANADA INC. www.critical-environment.com FCS-M BACNET CONTROLLER TO CXT MODBUS **EXPLOSION PROOF TRANSMITTER WIRING CONNECTION DRAWING REV-A June 21, 2018** TERMINATION JUMPER IN EN POSITION IF FIRST DEVICE IN TERM **NETWORK CHAIN** CXT-D CXT-D **EARTH GROUND SHIELD** Two circuit boards Two circuit boards (inside QCC) inside the CXT FCS inside the CXT Ø Ø TB3 O Ø Ø TB3 O FCS-M CONTROLLER [n] / 1 0 1 Ø A C 2 Ø K1 2 Ø B 0 NC 3 Ø NO 4 Ø NC 3 Ø 3 Ø S 0 NO 4 Ø 40 Oc 5 Ø K2 5 Ø B Oc 5 Ø K2 0 5 Ø B CETCI FCS Relay Rev C NC 6 Ø NC 6 Ø NO 7 Ø NO 7 Ø LINE VOLTAGE C 8 Ø c 8 Ø FIRST AND LAST **DEVICE IN BUS** REQUIRE A **TERMINATION** THREE RELAY RESISTOR. CONTROL WIRING RELAY TERMINALS. POSITION "A" ON **CONNECT TO COM &** J1 INSTALLS NC. <u>DO NOT USE</u> SOLID CORE WIRE. **TERMINATING** CXT-D RESISTOR. RELAYS OPERATE IN "FAIL SAFE" CONFIGURATION. POSITION "B" ON J1 OMITS Two circuit boards **TERMINATING** inside the CXT RESISTOR. Ø Ø TB3 O GND TP1 1 Ø 10 1 0 K1 120/240AC 2 Ø E NC 3 Ø NO 4 Ø 30 5 DAISY-CHAIN WIRES RUNNING TO ADDITONAL CXT-D Oc 0 K2 MODBUS TRANSMITTERS. NC 6 Ø 0 INSTALLER SUPPLIED ON LAST DEVICE, EARTH C 8 Ø LINE VOLTAGE GROUND SHIELD NOT NC 9 Ø (90-240 VAC, 50-60 HZ) CONNECTED. SHIELD IS CUT AND TAPED AT GND 🎹 LAST DEVICE.