

WIRING DIAGRAM FOR THE XT+ RELEASING CONTROL UNIT (K1711-10/40 OR K1712-10/40)

FOR INDOOR USE ONLY

NFPA INSTALL THIS PRODUCT IN ACCORDANCE WITH NFPA 13, NFPA 72, NFPA 70, AND NEC 70 AND ALL LOCAL CODES.

INSTALL SLC DETECTORS WITH SPACING AS SPECIFIED IN SECTION NFPA 72. UNITS EMPLOYING "MULTIPLE DETECTOR OPERATION" SHALL INCLUDE GUIDELINES FOR INSTALLING A MINIMUM OF TWO DETECTORS IN EACH PROTECTED SPACE AND TO REDUCE THE DETECTOR INSTALLATION SPACING TO 0.7 TIMES THE LINEAR SPACING IN ACCORDANCE WITH NATIONAL FIRE ALARM CODE, NFPA 72.

ALL FIELD WIRING SHOULD BE INSTALLED USING FIRE RATED CABLES ACCORDING TO THE NFPA 72. RISER CONDUCTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE SURVIVABILITY FROM ATTACK BY FIRE REQUIREMENTS IN NATIONAL FIRE ALARM CODE, NFPA 72, SECTION 12.3. RISER CONDUCTORS SHALL EMPLOY EITHER A 2 HOUR RATED CABLE SYSTEM, OR MEET REQUIREMENTS APPROVED BY THE AHJ.

THIS PRODUCT, WHEN USED WITH XT+ RELEASING MODULES K1711-XX & K1712-XX, SATISFIES RELEASING OPERATION UNDER:

- CARBON DIOXIDE EXTINGUISHING SYSTEMS, NFPA 12
- HALON 1301 FIRE EXTINGUISHING SYSTEMS, NFPA 12A
- SPRINKLER SYSTEMS, NFPA 13
- WATER SPRAY FIXED SYSTEMS FOR FIRE PROTECTION, NFPA 15
- FOAM-WATER SPRINKLER AND FOAM-WATER SPRAY SYSTEMS, NFPA 16
- DRY CHEMICAL EXTINGUISHING SYSTEMS, NFPA 17
- WET CHEMICAL EXTINGUISHING SYSTEMS, NFPA 17A
- WATER MIST, NFPA 750
- CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, NFPA 2001
- FIXED AEROSOL FIRE EXTINGUISHING SYSTEMS, NFPA 2010

FCC THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.



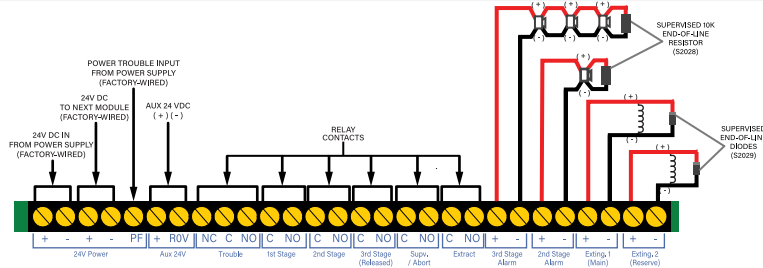
**TURN OFF BRANCH CIRCUIT AT
BREAKER PANEL BEFORE SERVICING.**

UNIT MUST BE CONNECTED TO A COMPATIBLE MASTER PANEL. REFER TO THE INSTALLATION MANUAL FOR A LIST OF COMPATIBLE PANELS. INSTALL MODELS OF THE XT+ RELEASING CONTROL UNIT IN ACCORDANCE WITH THE INSTALLATION GUIDE (MAN-1252KE) AND WIRING DIAGRAM (MAN-1255KE).

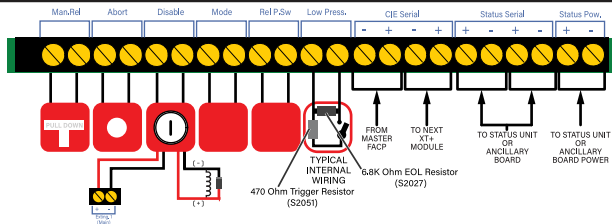
TEMPERATURE 32°F (0°C) - 120°F (49°C)
HUMIDITY UP TO 93%, NON-CONDENSING

CONNECT 18 TO 14 AWG WIRING FOR ALL FIELD TERMINATIONS EXCEPT THE AC INPUT. CONNECT 14 AWG WIRING FOR LINE, NEUTRAL, AND GROUND TERMINATIONS OF THE AC INPUT.

IN THE EVENT OF A POWER TROUBLE, REFER TO THE LED INDICATORS ON THE POWER SUPPLY FOR A MORE SPECIFIC SOURCE OF THE TROUBLE.



24V POWER	24V REGULATED, CONTINUOUS (POWER INPUT)
AUX 24V	24V REGULATED @ 850MA MAX, POWER-LIMITED
TROUBLE	VOLT-FREE CONTACT RATED AT 30V DC, 1A, RESISTIVE
1ST STAGE	VOLT-FREE CONTACT RATED AT 30V DC, 1A, RESISTIVE
2ND STAGE	VOLT-FREE CONTACT RATED AT 30V DC, 1A, RESISTIVE
3RD STAGE (RELEASED)	VOLT-FREE CONTACT RATED AT 30V DC, 1A, RESISTIVE
SUPV. / ABORT	VOLT-FREE CONTACT RATED AT 30V DC, 1A, RESISTIVE
EXTRACT	VOLT-FREE CONTACT RATED AT 30V DC, 1A, RESISTIVE
3RD STAGE ALARM	24V REGULATED @ 850MA MAX, POWER-LIMITED
2ND STAGE ALARM	24V REGULATED @ 850MA MAX, POWER-LIMITED
EXTING. 1 (MAIN)	24V REGULATED @ 1A MAX, POWER-LIMITED
EXTING. 2 (RESERVE)	24V REGULATED @ 1A MAX, POWER-LIMITED



MAN, REL
ABORT
DISABLE
MODE
REL P. SW
LOW PRESS.

CIE SERIAL	TWO WIRE, RS485 CONNECTION, DATA 3.3 V, CURRENT-LIMITED, CLASS B, SUPERVISED
STATUS SERIAL	TWO WIRE, RS485 CONNECTION, DATA 3.3 V, CURRENT-LIMITED, CLASS B, SUPERVISED
STATUS POW.	24V REGULATED @ 850MA MAX, POWER-LIMITED

CLASS B

SUPERVISED FOR OPENS, SHORTS, AND GROUNDS
END-OF-LINE DEVICE: 6.8K OHM RESISTOR (S2027)
ACTIVATION DEVICE: 470 OHM RESISTOR (S2051)
MAXIMUM VOLTAGE / CURRENT: 24V DC / 50 MA
MAXIMUM WIRING IMPEDANCE FOR EACH CIRCUIT: 50 OHMS
POWER-LIMITED

Kentec
Electronics Ltd

LABEL PART NUMBER VLAB-1143, VERSION 1.00
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