

# XT+

## MULTI-AREA ADDRESSABLE RELEASING CONTROL UNITS



### Standard Features

- UL 864 10th Edition Listed
- Up to 2 releasing areas / hazards per XT+ unit
- Dual releasing outputs for each area (configurable as Main/Reserve)
- First and second stage NAC outputs for each area
- First and second stage volt free changeover relays for each area
- Released volt-free relay per area
- Trouble volt-free relay per area
- Programmable releasing delays
- Programmable output duration
- Countdown indicator shows time until release in seconds
- Mode select and manual release controls per area
- Monitored remote manual release input
- Monitored remote abort input
- Monitored remote mode select input
- Monitored remote released pressure switch input
- Serial connections for status units and ancillary boards
- Built in Extract Fan control
- Compatible with conventional detectors from

### Ordering Codes

|                  |   |
|------------------|---|
| <b>AS1711-10</b> | XT+ Single Area Control Unit - 1 Area - Red   |
| <b>AS1711-40</b> | XT+ Single Area Control Unit - 1 Area - Gray  |
| <b>AS1712-10</b> | XT+ Single Area Control Unit - 2 Areas - Red  |
| <b>AS1712-40</b> | XT+ Single Area Control Unit - 2 Areas - Gray |

### Product Overview

XT+ releasing control units are multi-area releasing control units containing one or two releasing modules complying with UL 864 10th edition.

Up to 15 releasing modules may be connected to a Supreme-RS fire alarm control panel. Each releasing module can accommodate a separate hazard defined by two specific zones.

Each XT+ unit is equipped with a 5.25 A power supply (120 VAC or 240 VAC) to power releasing modules and attached solenoids / actuators or sequential activators.

Each releasing module has a comprehensive set of inputs and outputs and is configurable via a simple programming interface provided by Loop Explorer 2. Each releasing module may have up to 7 serially-connected status units or ancillary relay boards.



## Technical Specifications

|   |  |
|---|--|
| <b>Construction</b>   | 1.2mm mild sheet steel   |
| <b>Dimensions</b>   | 14.5"W x 18.9"H x 4.25" D  |
| <b>IP Rating</b>  | IP30   |
| <b>Finish</b>   | Epoxy powder coated  |
| <b>Color</b>  | Lid & Box: Gray - BS 00 A 05 or Red - RAL 3002<br>Fascia: RAL7016  |
| <b>Weight</b>   | 17.6 lbs (Standard Configuration)  |
| <b>Cabling</b>  | FP200 or equivalent (max capacitance 1uF max inductance 1 mH). Connect 18 to 14 AWG wiring for all field terminations except AC input.<br>Connect 14 AWG wiring for line, neutral, and ground terminations of the AC input.                                  |
| <b>Power Supply</b>   | 1.83 Amps Max @ 120 V, 50/60 Hz 0.915 Amps Max @ 240 V, 50/60 Hz   |
| <b>Power Supply Fuse</b>  | 3A (field-replaceable)   |
| <b>Power Supply Rating</b>  | 1 and 2 Area Units: Regulated 24V DC @ 4A  |
| <b>Maximum Ripple Current</b>   | 1V Maximum   |
| <b>Standby Battery Type</b>   | Two 12 VDC, valve-regulated lead acid  |
| <b>Battery Size</b>   | Recommended battery size is 12 Ah for a typical configuration. Required battery size is mainly dependent on standby current. To determine the most appropriate battery size, use the battery calculator in LE2.  |
| <b>Battery Charge Voltage</b>   | 27.6VDC nominal (temperature compensated)  |
| <b>Battery Fuse</b>   | 10A 3AG (field-replaceable)  |
| <b>Current Draw in Power Fail Condition</b>   | 54mA per releasing module  |
| <b>Max Current Draw from Batteries</b>  | 4A   |
| <b>Ground Fault Impedance Value</b>   | 100 Ohms   |
| <b>Temperature Range</b>  | 32°F (0°C) - 120°F (49°C)  |
| <b>Relative Humidity</b>  | up to 93%, non-condensing  |
| <b>Releasing Delay</b>  | Adjustable 0 to 60 seconds (+/- 10%)   |
| <b>Releasing Duration</b>   | Adjustable 60 to 300 seconds   |
| <b>Fire Alarm Control Panel</b>   | Elite RS with Firmware Version 07.002.005 or higher  |
| <b>TOP TERMINALS</b>  |  |
| <b>24V Power</b>  | 24V Regulated, continuous (power input)  |
| <b>Aux 24V</b>  | 24V Regulated @360mA Max, Power-limited  |
| <b>Trouble 1st Stage 2nd Stage 3rd Stage (Released) Supervisory / Abort / Extract</b>                     | Volt-free contact rated at 30V DC, 1A, Resistive   |
| <b>3rd Stage Alarm 2nd Stage Alarm</b>  | 24V Regulated @ 850mA Max, Power-limited   |
| <b>Exting. 1 (Main)<br/>Exting. 2 (Reserve)</b>   | 24V Regulated @ 1A Max, Power-limited  |
| <b>BOTTOM TERMINALS</b>   |  |
| <b>Man. Release / Abort / Disablement Switch / Mode / Releasing Pressure Switch / Low Pressure Switch</b> | Class B<br>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<br>Maximum Wiring Impedance for Each Circuit: 50 Ohms Power-limited |
| <b>CIE Serial</b>   | Two wire, RS485 connection, Data 3.3 V, current-limited, Class B, supervised Maximum Line Impedance: 120 Ohms  |
| <b>Status Serial</b>  | Two wire, RS485 connection, Data 3.3 V, current-limited, Class B, supervised Maximum Line Impedance: 120 Ohms  |
| <b>Status Pow.</b>  | 24V Regulated @ 360mA Max, Power-limited   |