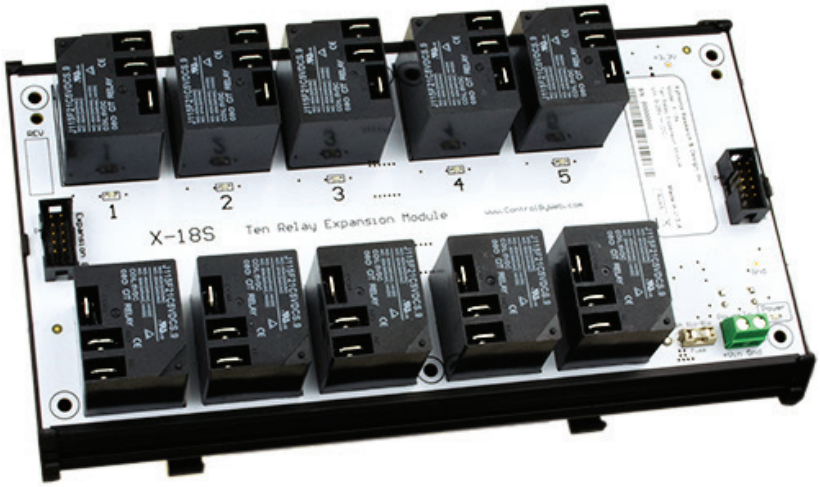
PRODUCT OVERVIEW



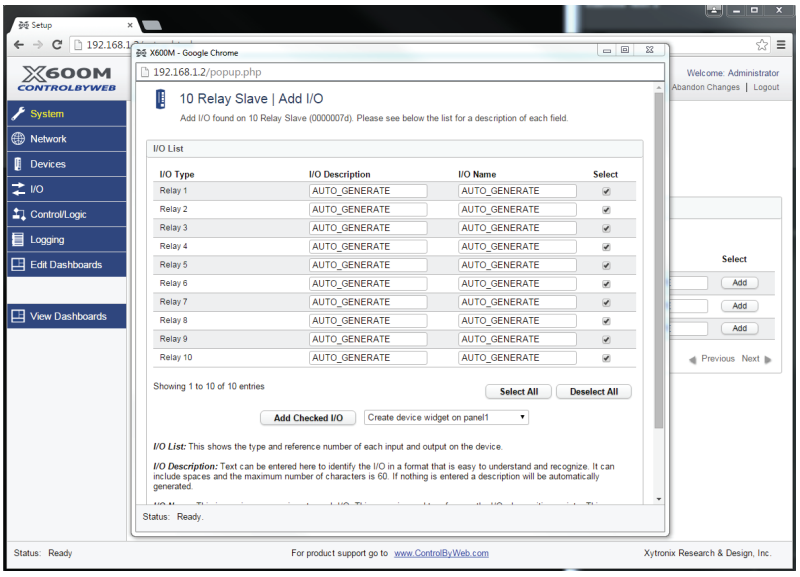
The X-18s™ expansion module is used with the X-600M controller. The X-18s has ten, high-current relays, each with Form-C contacts (SPDT).

Wiring connections are made directly to the relays using 1/4" tab terminals located on top of the relays.

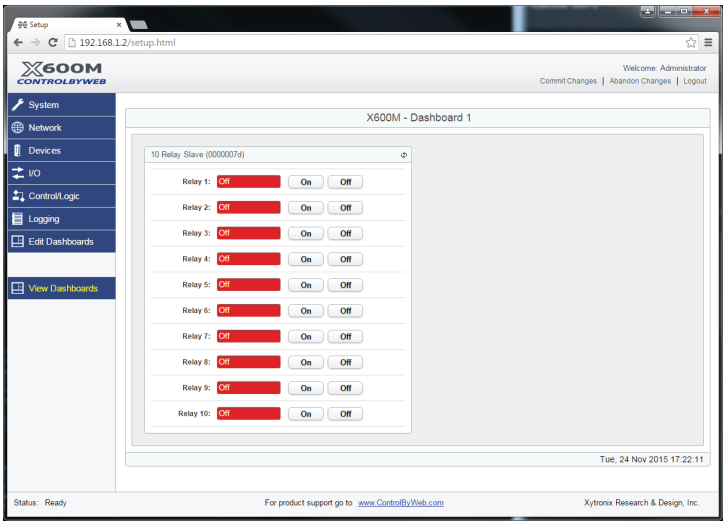
This module is suitable for use with loads which require line voltages and high currents such as pumps, motors, lights and heaters. Attach multiple X-18s modules or a combination of expansion modules to the X-600M for an I/O combination that is tailored to your specific needs.

Features:

- 10 Isolated relays (SPDT)
- Relay Functions:
  - On
  - Off
  - Pulse
- Relay Connectors: 1/4 inch tab connectors
- Great for heavy-load applications including:
  - Motors
  - Solenoid valves
  - Lights
  - and much more...
- 11 LEDs for relays and power
- Power Supply: 9-28 VDC (24V recommended)

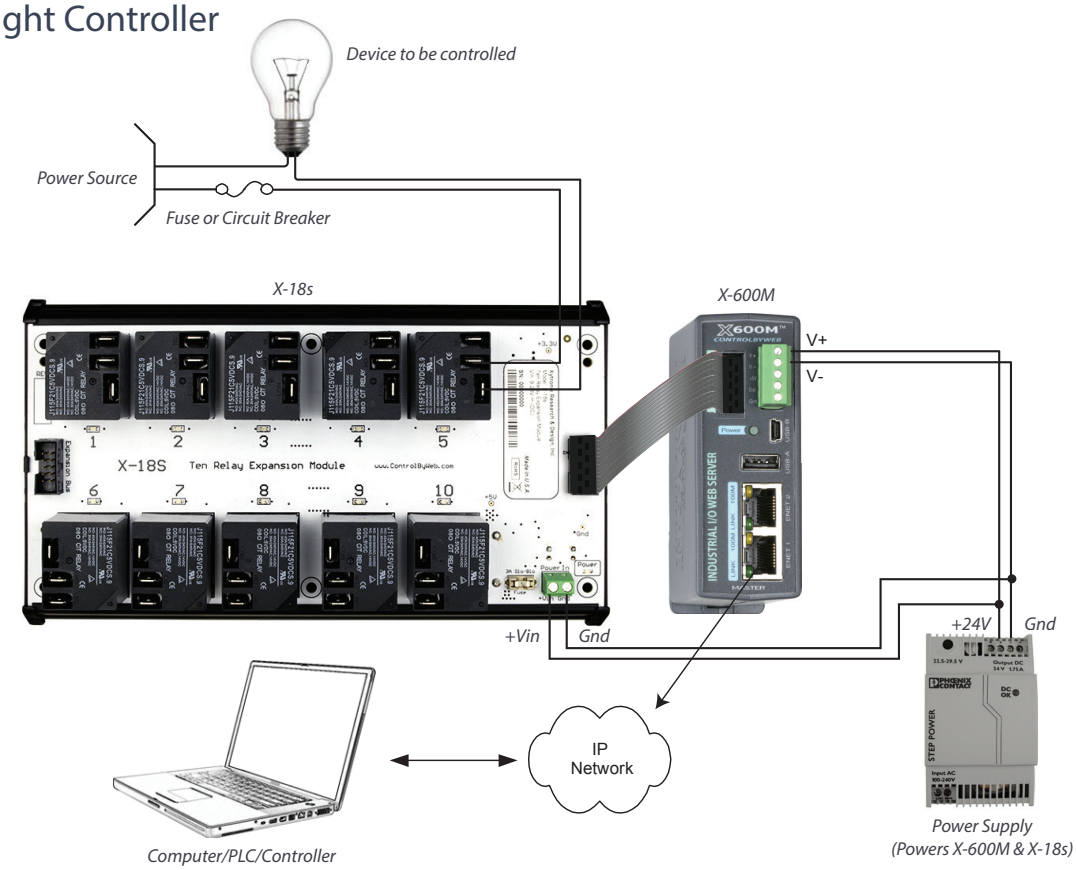


Adding the X-18s on the X-600M



View X-18s components on the X-600M's Dashboard

High-Voltage Light Controller



Models:

- X-18s

Power Requirements

- Voltage: 9-28 VDC (24V recommended)
- Max Current: See table below for typical values at 25°C.

Power Supply	All Relays OFF	All Relays ON
9 VDC	18 mA	1200 mA
12 VDC	14 mA	880 mA
24 VDC	11 mA	450 mA

Relay Contacts

- Number of Relays: 10
- Max Voltage: 277VAC, 30VDC
- Max Current: 15A
- Contact Type: SPDT
- Load Type: General Purpose
- Contact Resistance: < 30 milliohms initial
- Contact Material: AgSnO2
- Electrical Life: 100K cycles (Typical)
- Mechanical Life: 10M cycles (Typical)
- Environmental Rating: Over voltage Category II, Pollution Degree 2
- Relay Modes: ON/OFF or Pulse
- Pulse Timer Duration: 0.1 to 86,400 Seconds (1-day)

Connectors

- Expansion Connector: Ribbon cable, 2x5-position, polarized 0.100" pitch
- Relays: 1/4" tab connectors

LED Indicators

- Number of LEDs: 11
  - Power on
  - Relays 1-10

Physical

- Size:
  - 8.60in (218.44mm) wide
  - 4.95in (125.73mm) tall
  - 2.46in (62.48mm) deep
- Weight: 20 oz (566 g)
- Enclosure Material: PVC
- Enclosure Flame Rating: UL94 V1

Environmental

- Operating Temperature: -40°F to 150°F (-40°C to 65.5°C)
- Storage Temperature: -40°F to 185°F (-40°C to 85°C)
- Humidity: 5-95%, non-condensing
- Altitude: Up to 2,000m
- Indoor use or NEMA-4 protected location

Electromagnetic Compliance

- IEC CISPR 22, CISPR 24
- FCC 47CFR15 (Class B)
- EN55024 ITE Immunity (2010)
- EN55022 Emissions (2010)

CE

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