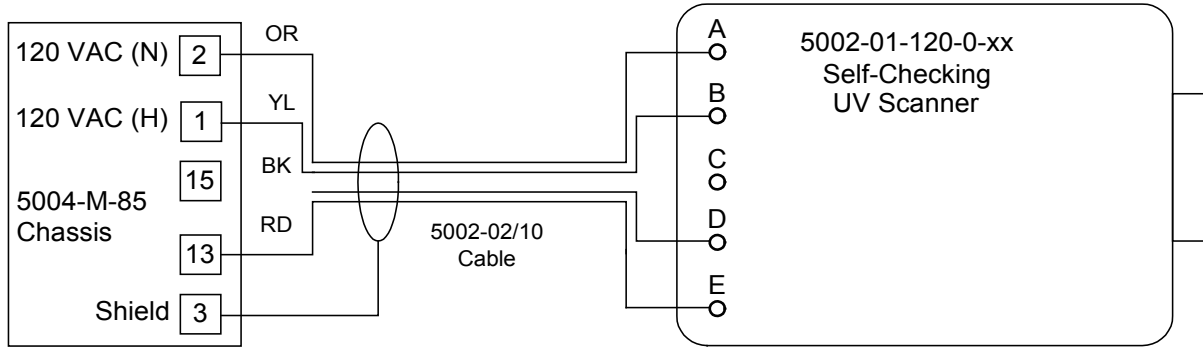
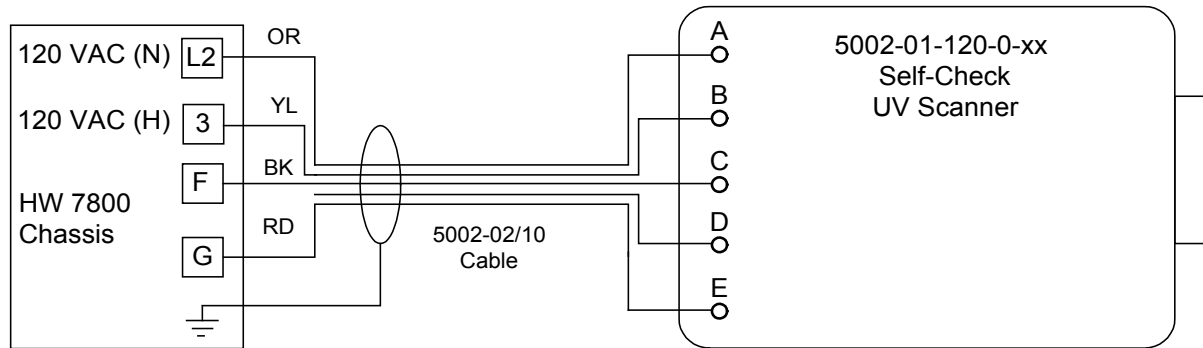


5002-01 ULTRAVIOLET SELF-CHECKING SCANNER

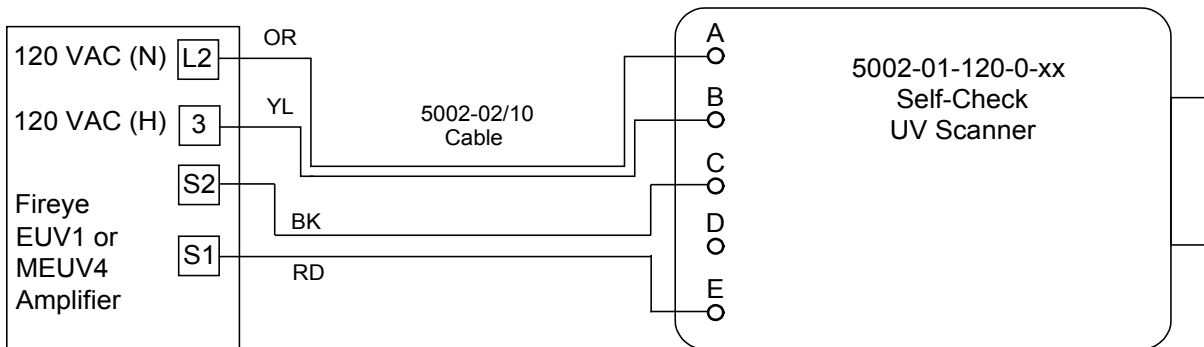
Typical Wiring



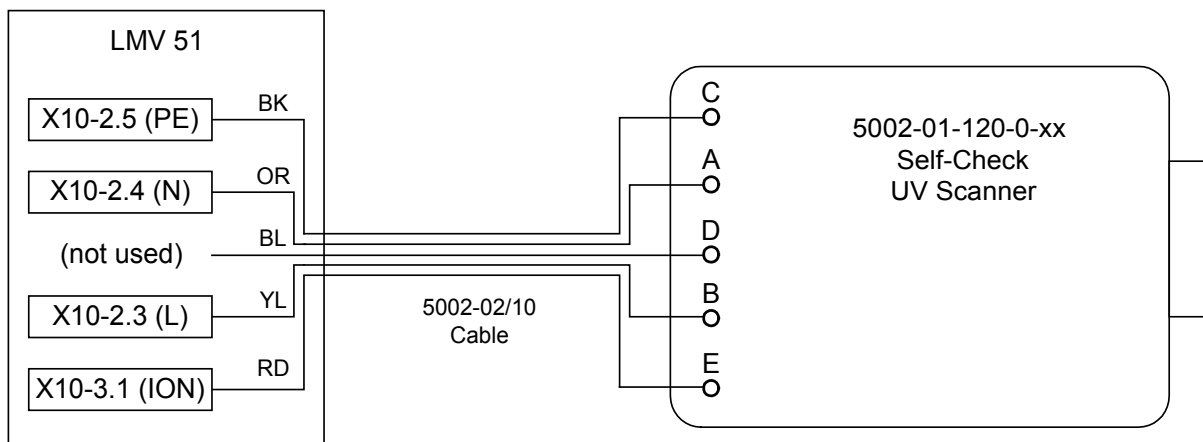
Typical Wiring Schematic--UV Self-check Scanner to Preferred Instruments 5004-M-85 Flame Safeguard Controller



Typical Wiring Schematic--UV Self-check Scanner to HW 7800 Series Flame Safeguard Controller



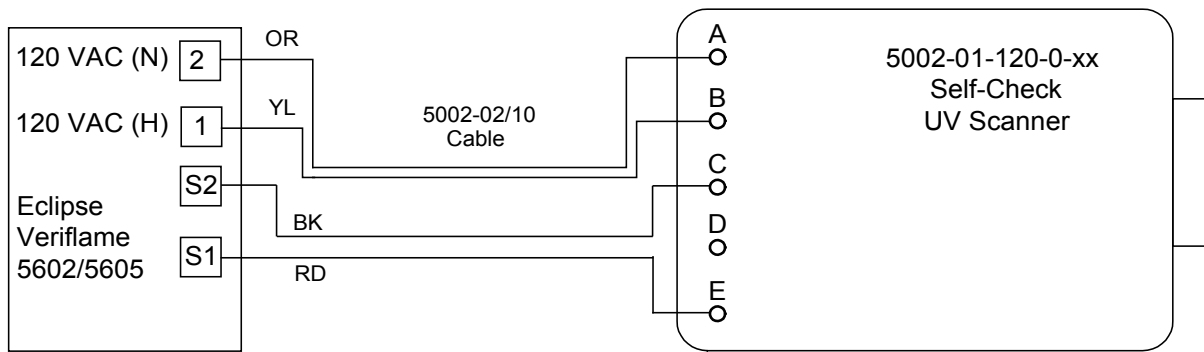
Typical Wiring Schematic--UV Self-check Scanner to Fireye EUV1 or MEUV4 Flame Safeguard Controller



Typical Wiring Schematic--UV Self-check Scanner to Siemens LMV Controllers

5002-01 ULTRAVIOLET SELF-CHECKING SCANNER

Suggested Specification



Typical Wiring Schematic--UV Self-check Scanner to Eclipse Veriflame Controllers

Suggested Specification:

1. Self-checking UV Scanner

Ultraviolet self-checking flame scanner shall be U.L. listed, FM approved, and CSA certified. Scanner housing shall be made of rugged anodized aluminum, have two status LEDs, and connect by means of a military-style quick disconnect fitting.

2. Physical Description

Scanner shall be made of high strength anodized aluminum and mount by means of industry standard 1" NPTF connection and include:

- 3/8" Purge connection
- 5 Pin military-style quick disconnect cable fitting

3. Electrical Characteristics

Scanner shall be powered by 120 VAC, 230 VAC, or 24 VDC input power. A 120/230 VAC relay contact shall be provided to prove flame while a 4-20 mA output shall correspond to flame signal strength (-C models). Alternatively, the 5002-01-(120 or 240)-0-xx shall interface with most existing flame amplifiers.

4. Manufacturer

Self-checking ultraviolet scanner shall be Model 5002-01 series manufactured by Preferred Utilities of Danbury, CT.