

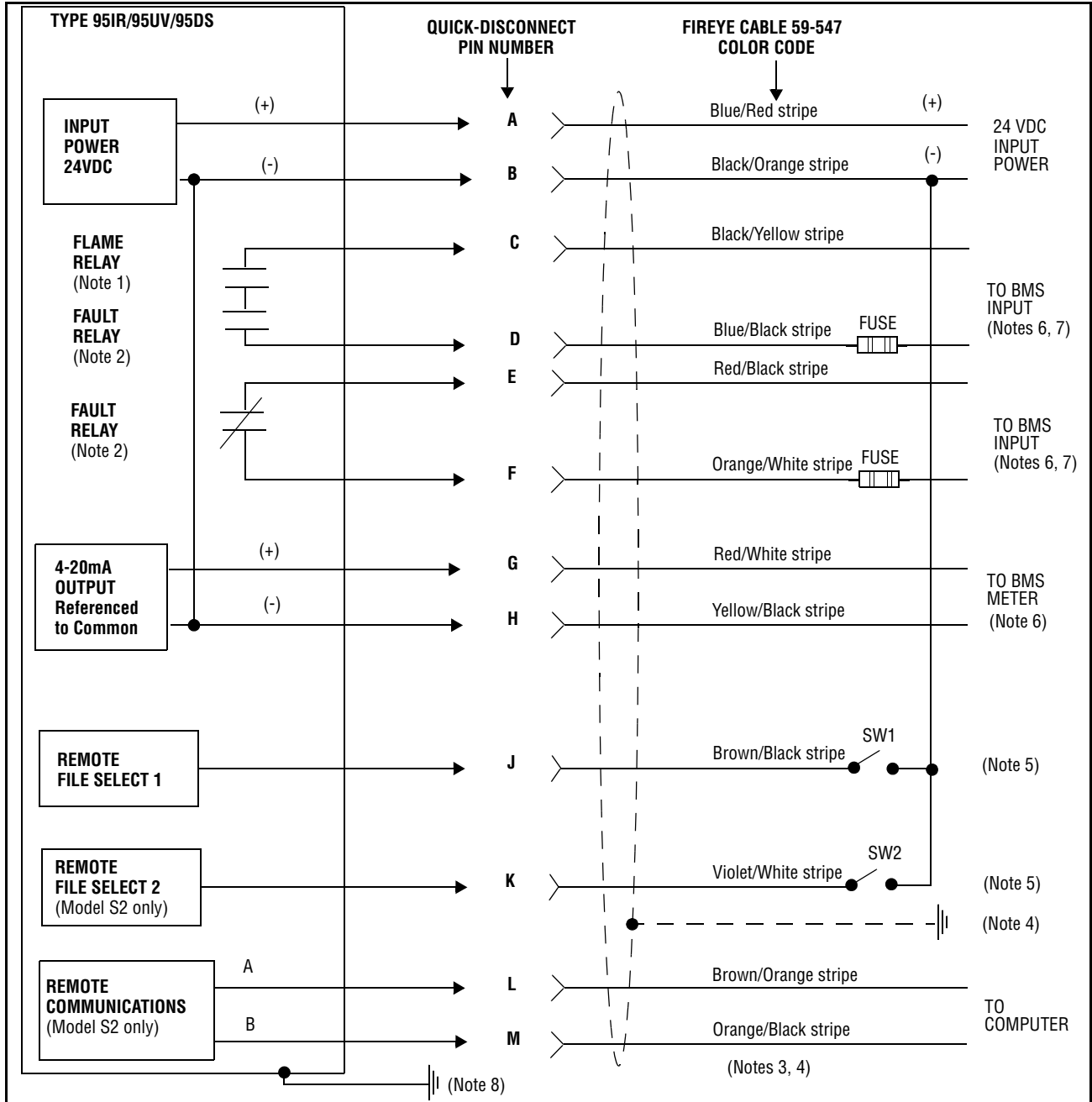
133-769



59-547-100I (PLTC-ER Rated Cable to 59-497 Chart)

59-547-XXX PLTC-ER Rated Cable			59-497-XXX cable	
Female Quick Disconnect Pin Number	Function	Cable color	Function	Cable color
A	Input Power 24 VDC (+)	Blue/Red stripe	Input Power 24 VDC (+)	Black/Red
B	Input Power 24 VDC (-)	Black/Orange stripe	Input Power 24 VDC (-)	White/Blue
C	Flame Relay (COM)	Black/Yellow stripe	Flame Relay (COM)	White /Black
D	Flame Relay (N.O.)	Blue /Black stripe	Flame Relay (N.O.)	White/Red
E	Fault Relay (COM)	Red/Black stripe	Fault Relay (COM)	Red
F	Fault Relay (N.C.)	Orange/White stripe	Fault Relay (N.C.)	Pink
G	4-20 mA (+)	Red/White stripe	4-20 mA (+)	Violet
H	4-20 mA (-)	Yellow/Black stripe	4-20 mA (-)	Grey/Red
J	File Select 1	Brown/Black stripe	File Select 1	Blue/Red
K	File Select 2	Violet/White stripe	File Select 2	Yellow
L	RS485 Comms (A)	Brown/Orange stripe	RS485 Comms (A)	Brown
M	RS485 Comms (B)	Orange/Black stripe	RS485 Comms (B)	Orange

FIGURE 1. WIRING DIAGRAM, INSIGHT INTEGRATED FLAME SCANNER



Notes:

1. Flame relay contacts are shown in de-energized (no flame) condition.
2. Fault relay contacts are shown in de-energized (fault) condition.
3. Brown and orange wires are a twisted pair.
4. **Connect cable shield to earth ground at power source.**
5. With Remote File Select programmed as "LINE", external switches SW1/SW2 (not furnished) will select between two (S1 Models) or four (S2 Models) internal memory files, when connected to 24Vdc (-) supply.
6. BMS = Burner Management System (by others).
7. External 2.0 Amp fuses recommended.
8. **A ground screw is provided on the scanner end plate. An external ground wire must be installed if line voltage is applied to the relay contacts.**