### Notes

1. Case is internally connected to 0V.
2. Case finish, black powder coat.
3. Typical input current 20mA at 5V

### Programming options for integral high voltage power supply

**A. Internal potentiometer**

- (access from end face of package)
  - Red: +5V to +8V
  - Black: 0V
  - Yellow: -0.3V to +1.8V
  - White: Control

**B. External voltage**

- Red: +5V to +8V
- Black: 0V
- Yellow: NC
- White: Control

### Monitor: 1/1000 of voltage applied to photomultiplier

**NC: no connection - isolated lead**

### Photodetector packages

![Diagram of photodetector package with dimensions and notes]

- **Dimensions:**
  - Ø35.0 outside ±0.5
  - Ø25.0
  - 1.0 x 45° Chamfer
  - Insulated tube support
  - Photomultiplier (PMT) - see table
  - 0.8 Mumetal case

- **Material:** M3 pan head screw

- **Wires:** 4 off wires 7/0.2 PVC coated

- **Connectors:**
  - Input voltage (Red) - see table
  - Set voltage (Yellow)
  - Control (White)
  - Signal output

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**Limits on all dimensions unless otherwise stated**

- Linear dimensions: ±0.1mm
- Angular dimensions: ±0.1°