

# Arc monitor • Current sensing unit

# Arc Guard Systems

**ABB** Arc Guard Systems  
Arc monitor  
Current sensing unit  
Accessories



#### Arc monitor

- Available for AC and DC power
- Photodiodes for sensing light
- The two output stages are triacs triggered via a pulse transformer
- Two separate relay outputs
- A switch is included for selection of automatic relay resetting
- A digital display, visible through the window in the door, is lighted when the triac outputs are activated and shows which detector has caused tripping
- Terminals are provided for connection of the arc monitor's own power supply and for connections to the circuit-breaker trip coil
- The power consumption of the unit is approximately 6 watts

#### Current sensing unit

- Has terminals for a number of different supply voltages
- Connects to current transformers located at suitable positions in the busbar system of the installation to be monitored
- Incorporates a selector switch and potentiometer for testing and checking purposes
- Power consumption approximately 11 W
- Optical signal transmission
- Can be connected in series using optical cables
- LEDs indicate when the current exceeds approximately 70% and 100% of the set value
- The unit can be either 1, 2 or 3-phase connected (to one, two or three current transformers)
- Imposes insignificant load on the current transformers, approximately 0.7 VA, so current transformers that are also applied for other purposes can often be used