

SWD60E

- This photoelectric switch is used to detect the punch holes perforated near the welded line of steel plate flowing continuously in a cold rolling mill and process line.

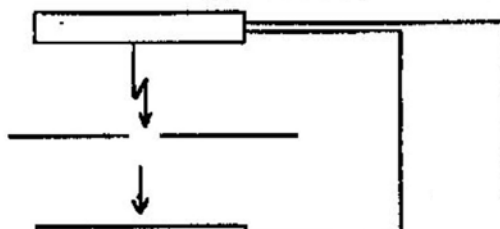
- It detects single hole and twin holes and outputs signals corresponding to each of them.



OUTPUT CIRCUIT

It consists of the following three units.

TRANSMITTER (type:SWD60T)

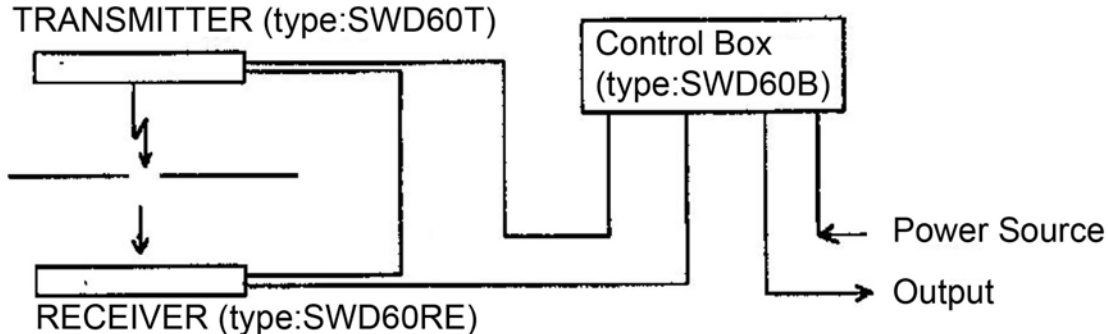


RECEIVER (type:SWD60RE)

Control Box
(type:SWD60B)

Power Source

Output



SPECIFICATIONS

Model	SWD60E
Effective detection width	390mm
Light source	Infrared LED
Photo cell	Silicone photo diode
Power supply	Supplied from the control box (DC24V (20~30V), ripple Max. 10%)
Current consumption	Transmitter: Max. 280mA Receiver: Max. 210mA
Operating temp. range	-25°C ~ + 55°C (when cooling water jacket is used + 80 °C Max.)
Storage temp. range	-40°C ~+ 70°C
Humidity Range	85% RH or less
Vibration resistance	10 ~ 55 Hz Double amplitude 1.5mm / 2 hours each in X,Y,Z directions
Shock resistance	50G; 3 times each in X,Y,Z directions
Material	Case body: Aluminum, Window: Glass, Mounting frame: SPC
Connection method	Metallic connector type
Enclosure	IP66
Weight	Transmitter; Approx 2.6kg (including connecting cable 2m long) Receiver; Approx 2.9kg Air purge unit; 0.3kg Cooling water jacket; Approx 1.7kg
Standard painting color	Equivalent to Munsell No. 7.5BG 6/1.5
Cooling water (when cooling water jacket is used)	Flow rate; not less than 4N liter/min Pressure resistance; 6kg/c m Water temperature; +10°C ~ +35°C
Air purge (when air purge unit is used)	Flow rate; not less than 200 N liter/min

DIMENSIONS

