

THROUGH-BEAM PHOTOCELL MAPS- FTC2R DETECTION of FLOW DIRECTION

The through-beam photocell series MAPS FTC2R has two infrared beams and it is able to detect presence and flow direction of objects at high speed (Tr=8ms). It consists of an infrared transmitter module and a receiver. The receiver module includes a microprocessor to discriminate the direction of the object that crosses the beam between transmitter and receiver



Main Characteristics:

- Power 12VDC to 30VDC (reverse polarity protection) / 120mA
- Output Relay potential free (Vmax AC 125/250 2A (FTC2R-C)).
- Open Collector Output (Vmax 45V 250mA (FTC2R-T)).
- RS232 connexion (FTC2R-S)
- Response time lower than 8ms.
- Immunity to sunlight.
- Detection distance between 1 and 15m.
- Led indicators at receiver for presence and flow direction.
- Protection grade: IP64.
- Working Temperature: -20°C to 65°C
- Accessories: Support that allows easy alignment of the modules.

Applications :

- Vehicle counting in Access tolls (car parks, highway tolls, etc)
- Axle vehicle counting (for classification tasks in tolls)
- People counting in single entrances.
- Opening / closing of automatic doors, opening / closing of security barriers, by detecting the flow direction.

The equipment is supplied with a 1.5m cable (other lengths on request).

Model	Output
C	Free potential Relays
T	Open collector Transistor
S	Serial communication

Action	RS232 Message
ENTRADA AVANCE	"IA"
SALIDA AVANCE	"FA"
ENTRADA RETROCESO	"IR"
SALIDA RETROCESO	"FR"

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