



**Part number: FT1000590 - Model: FT18SP-CR 90 LC5**



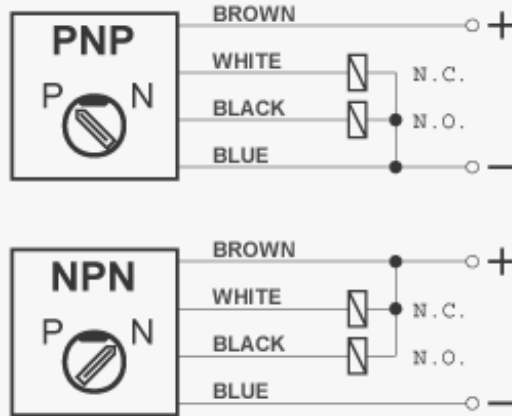
| <b>TECHNICAL CHARACTERISTICS</b>  |                              |
|-----------------------------------|------------------------------|
| Power supply:                     | Direct current               |
| Working voltage:                  | 10 ÷ 30 Vdc                  |
| Switching distance (cm):          | 0 ÷ 500 (adjustable)         |
| Output type:                      | DC PNP/NPN                   |
| Function:                         | NO+NC                        |
| Actuation type:                   | Instantaneous                |
| Light source:                     | Infrared                     |
| Power on delay:                   | < = 100 mSec                 |
| Max switching frequency:          | 400 Hz                       |
| Max output current:               | 200 mA                       |
| Absorption:                       | < = 20 mA @ 24 Vdc           |
| Voltage drop:                     | < = 1.8V                     |
| Short circuit protection:         | Present                      |
| Interference from external light: | > 10000 Lux                  |
| Led indicator:                    | Yellow = operation indicator |
| Temperature limits:               | -20 ÷ +50 °C                 |
| IP rating:                        | IP 67                        |
| Housing material:                 | Plastic                      |
| Mechanical characteristics:       | M18x1                        |
| Connection type:                  | Cable 5 m                    |
| Cable type:                       | 4x0.25 PVC                   |
| Weight:                           | 200 g                        |



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WIRING DIAGRAM

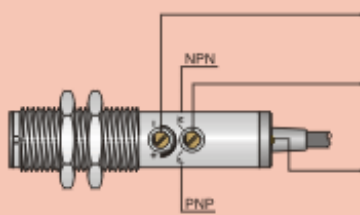
4 WIRES CABLE - LOGIC NPN+PNP / NO+NC



INSTRUCTIONS FOR CORRECT INSTALLATION



INSTRUCTIONS FOR THE PROGRAMMING AND ADJUSTMENT



- **TRIMMER FOR THE SENSING RANGE ADJUSTMENT** : The photocell is supplied with max. sensing range with the trimmer totally rotated in the clockwise direction. The sensitivity reduces by rotating the trimmer in the anti-clockwise direction.
- **SWITCH NPN / PNP** : The photocell is supplied with the switch in P (PNP output). To change to NPN turn the switch to N in the anti-clockwise direction. **WARNING !** For a correct working of the unit, do not carry out the switching when the photocell is powered.
- **YELLOW LED - OPERATION INDICATOR** : This led is ON when the object to be detected enters the sensing range of the photocell giving output signals.

**NOTE !** Before giving a power supply to the photocell it is recommended that the same unit be programmed by using the switch in the required function NPN or PNP.

**NOTE !** It is recommended that the trimmer and the switch would be rotated very carefully by using a proper tool otherwise these can be seriously damaged.

