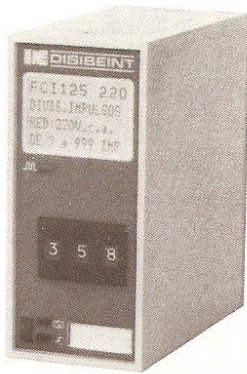


FCI 100  
No adjustment



FCI 105  
Built-in pre-selector

# FCI 100 FCI 105

- PULSE COUNTING OR DIVIDING RELAY.
- Digital pre-selection, 2-99 or 2-999.
- FCI 100, set n° of pulses.
- FCI 105, built-in pre-selectors.
- Connection for high and low input speed.
- RELAY STATE RESET BY EXTERNAL CONTROL.
- A.C. or D.C. supply.
- Led indicating input pulse.
- Led indicating power on.
- Led indicating relay on.

## CHARACTERISTICS

**Technical data in common:**  
See page 10 and 11

### Form of adjustment

By means of pre-selectors built in the box.

### Versions

With two digits: 2-99 pulses.  
With three digits: 2-999 pulses.

### Inputs

30 pulses/s. - terminal 5  
300 pulses/s. - terminal 6

### Control voltage

Internal, 24 V, D.C.  
Positive - terminal 8  
Negative - terminal 7

### Short-circuit current

16 mA.

### Reset

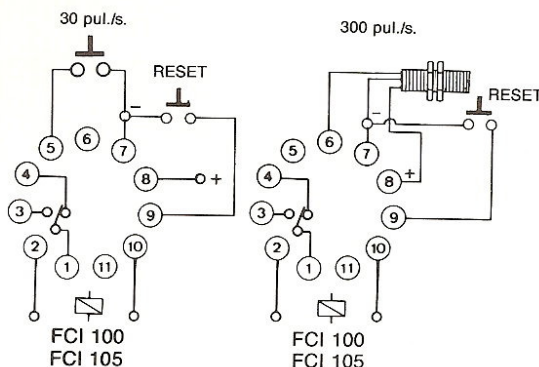
Terminal 9 input  
On operating the push-button or the reset sensor.  
When supply power is lacking for longer than 0.6 s.

### Accessories

Sockets.  
IDM system coding ring.  
Attachment spring.  
Front mounting frame.  
Protecting covers.

## OPERATING PRINCIPLE

### Example 1



When the supply power is applied, the relay remains released. It operates on reaching the pre-selected number of pulses, and remains operated until the reset push-button is pressed. The pulses received before the reset is pressed are accumulated for the following counting cycle. The circuit is ready for connecting an NPN sensor, direct current (inductive, photoelectric or capacitive). Its power supply comes from the actual equipment (24 V D.C.).

### Maximum sensor consumption

20 mA.

The FCI 100 model carries out the same function as the FCI 105, but it is supplied from the factory pre-set at a set number of pulses.

## FUNCTION DIAGRAM

