ifm electronic

CE

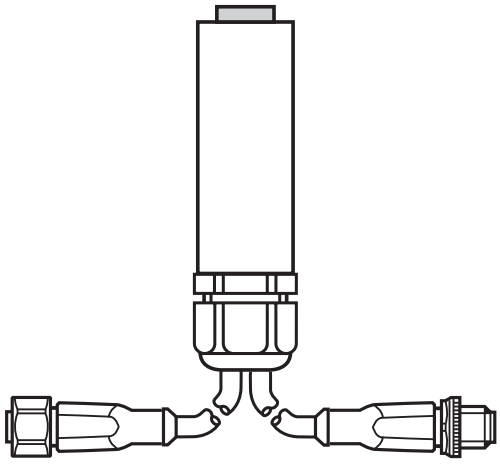
Operating instructions
SC teach button

efector300

E40211
E40212

UK

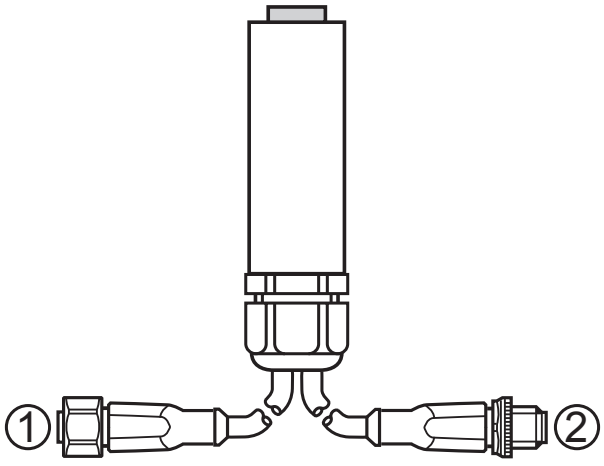
704653 / 00 05 / 2010



1 Functions and features

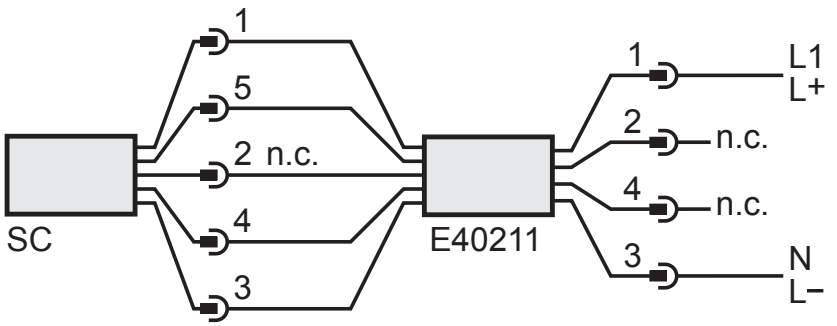
E40211	Teach button for setting the SC flow sensors with PNP output
E40212	Teach button for setting the SC flow sensors with normally open relay output

2 Electrical connection

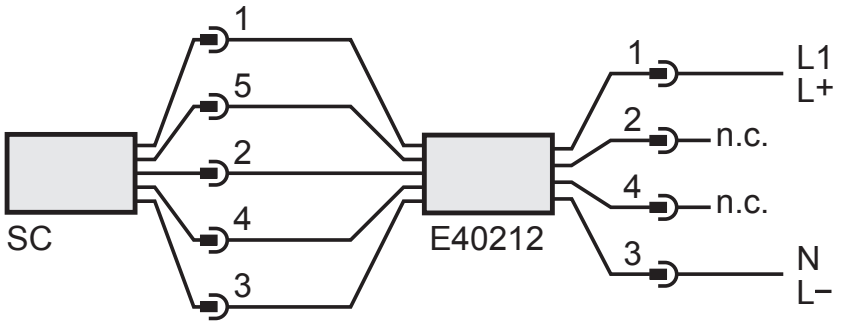


1: Connector (socket) - connection to SC flow sensor
2: Connector (plug) - connection to supply voltage

E40211



E40212



n.c. = not connected

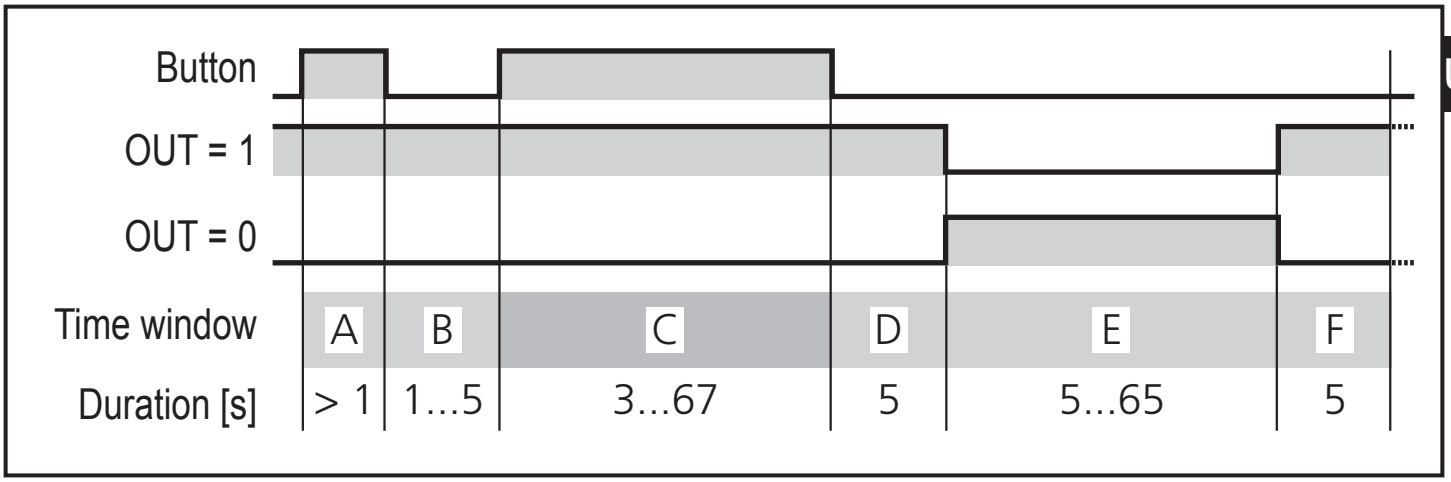
3 Switch point setting

▶ Press button briefly and release it.

▶ After 1 - 2 s press it again and keep it pressed for the time indicated.

> The flow sensor gives its output signals to the teach button. They are displayed by the illuminated pushbutton:

Output closed (OUT = 1)	button lights
Output closed (OUT = 0)	button does not light



Within the time windows A, B, C the output is switched depending on the flow: output closed (OUT = 1/ button lights) if flow ≥ SP / output open (OUT = 0 / button does not light) if flow < SP. If flow rises or falls within the time windows A, B, C the switching status / display of the illuminated pushbutton can change.
In the time windows D, E, F the output is used for feedback signals (-> table below). It does not react to flow changes.

Time window	Operation
A	Initialisation of the setting operation.
B	Confirmation of the initialisation.
C	Setting of the switch point (SP)*
D	The last switching status from C is maintained (= internal monitoring).
E	Output signal is inverted (= confirmation of the setting); duration = setting time of the selected switch point
F	Output signal is inverted again (= internal monitoring), then this new switch point is active.

Push of the button in s	5	10	15	20	...	55	60	65
corresponds to SP in cm/s	min.	10	15	20	...	55	60	max.

* Accuracy: ± 1s
min.: flow < 10 cm/s; max.: flow > 60 cm/s