

Silo stirrer

Task definition

easy is required to control a silo stirrer.

A mode switch enables you to select between Automatic or Direct mode. A fault indicator light and an acoustic alarm are activated in the event of a malfunction.

- In Automatic mode the stirrer runs at 10-second intervals for 15 seconds. A screen is provided for setting the interval times. To do this you press button P1 in Automatic mode and enter the required values. To deactivate the screen once more, you press the P1 pushbutton.
- In Manual mode, the stirrer runs in continuous operation.

The Start/Stop button is used for starting or stopping the set mode.

In the event of a fault during operation (motor-protective circuit-breaker trips or the mode selector switch is in an undefined position), the current mode is stopped until the fault is rectified. If a motor-protective circuit-breaker has tripped, you must also execute an Alarm Reset.

Faults are indicated by an indicator light and an acoustic alarm for as long as the fault is present. You can use the Test Fault Alarm pushbutton to test whether the fault indication is functioning.

Device class used

easyE4

Wiring

Inputs

I01	Start/Stop switch
I02/I03	Mode selector switch
I04	Alarm Reset button
I05	Motor-protective circuit-breaker aux. contact
I06	Fault Alarm Test button

Outputs

Q01	Stirrer
Q02	Fault indicator light
Q03	Acoustic alarm

Parameters

T01	Fault indication pulse generation
T02	Stirrer interval generation