

Datasheet - SC.CC.04

Controller for SoftControl solutions

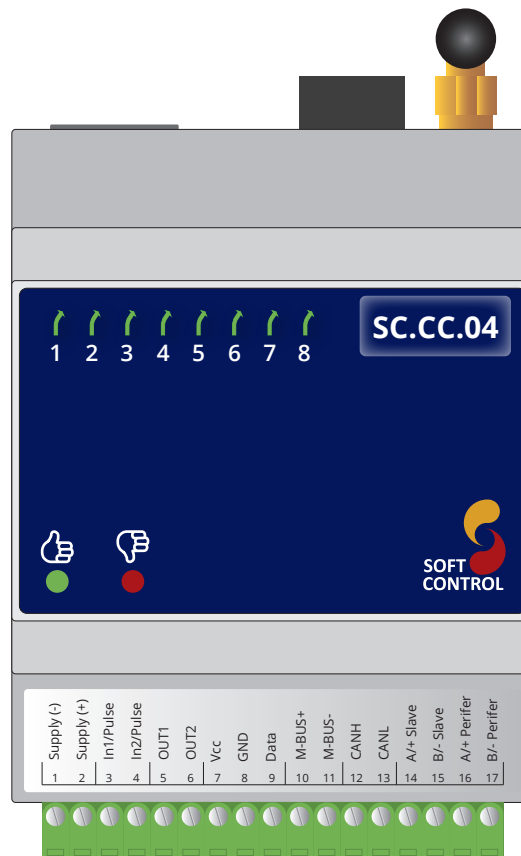
SC.CC.04 is a controller used for several SoftControl solutions. A number of IO modules can be connected as required. The controller is the brain of the system and is responsible for communication to the SoftControl cloud. Used for Cleverhouse and Gridguard

LED beam indicators

The SC.CC.04 is equipped with a green and red LED beam in the lower left corner of the controllers front surface. The red LED only lights up in the event of an alarm. The green LED indicates connection to the internet.

The SC.CC.04 is furthermore equipped with an 8 LED beam in the upper left corner of the controllers front surface indicating:

- LED 1: Off=No link, On=Link, Flashing=Link+data
- LED 2: Ethernet data transmission
- LED 3: NA
- LED4: Receiving M-BUS or MOD-Bus data
- LED5: Data being stored
- LED6: Pairing with or receiving EnOcean data
- LED7: OUT1 on
- LED8: OUT2 on



Ill. 1 - Overview of SC.CC.04 (1:1).

Specifications

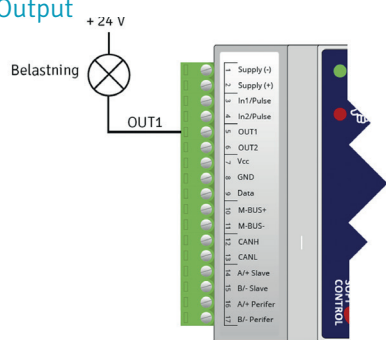
Parameter	Specification
Supply	24 VDC
General FET output	Max. 0.8 A @ 24 VDC
Temperature input	1 x digitale 1-wire
Temperatur measurement	-55 to 125°C ± 2°C (-10 to 85°C ± 0,5°C)
General input	2 x / digitale
Ambient temperature	0 .. 40°C
Enclosure class	IP21
Size (WxHxD)	70 x 86 x 49 mm
Weight	200 g
Product number	96131615

Connection diagram

PIN	Connection
1	GND
2	+24 V
3	Pulse input 1. Has a +24 V pullup. GND must be used to activate the input
4	Pulse input 2. Has a +24 V pullup. GND must be used to activate the input
5	MOSFET output 1, Switch to GND
6	MOSFET output 2, Switcher til GND
7	5 V 1-wire supply
8	GND
9	1-wire data
10	M-bus
11	M-bus
12	CANH
13	CANL
14	Slave/Modbus/RS485 1. Data+ (A) Slave/Modbus/RS485 1. Data- (B)
16	Periphery/Modbus/RS485 2. Data+ (A)
17	Periphery/Modbus/RS485 2. Data- (B)

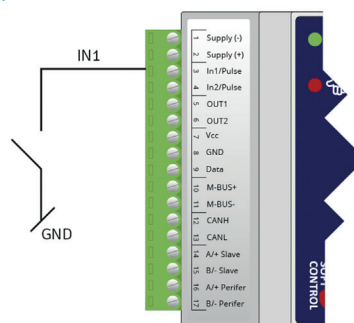
Examples of installation diagrams

Output



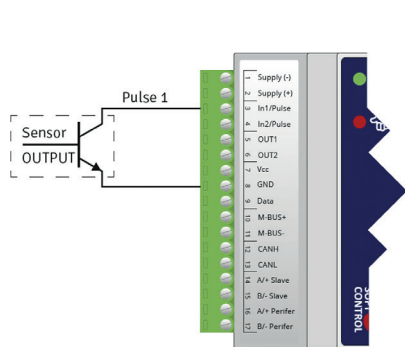
Ill. 2 - Illustration of output diagram.

Input - Switch



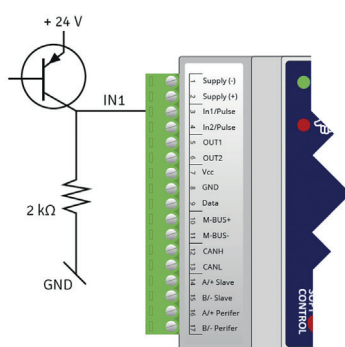
Ill. 3 - Illustration of a diagram regarding the installation of a switch.

Input - Pulse



Ill. 4 - Illustration of the diagram in relation to the installation of a pulse.

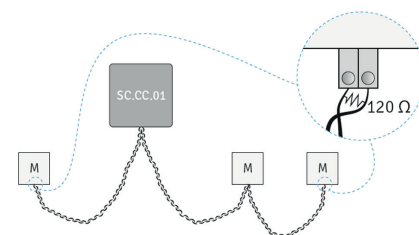
Input - Meter



Ill. 5 - Illustration of the diagram in relation to the installation of the meter.

Daisy chain

The two outermost units must have a terminating resistor



Ill. 6 - Bus connection such as Modbus/CANbus must be made as a daisy chain.

Hardware error reported via LED indicators (red + green)

LED beam	Frequency	Indication
	<p>1 sec. </p> <p>1 sec. </p>	<p>Connected to server</p> <p>No connection to server</p>
		Start up
		No connection to server
		Error on EnOcean
		Error on Modbus
		Error on M-bus
		Error on OneWire
		Other error