



ELECTROTHERMAL ACTUATORS FOR MANIFOLDS AND VALVES

SEIC

APPLICATION

Electrothermal actuator SEIC is used in underfloor and ceiling heating systems. A temperature regulator can drive the electrothermal actuator by closing a contact. The sensible element inside the capsule spreads out causing the movement of the shaft and opens the valve.

Models SEIC24S and SEIC230S have an auxiliary contact that closes when collector is open. When actuator is powered off, the collector is closed.

TYPE	FORCE N	STROKE mm	POWER SUPPLY Vac 50/60 HZ	ACTION	POWER CON- SUMPTION VA
SEIC24	90	3.5	24 ±10%	On/Off	3.0
SEIC230	90	3.5	230 ±10%	On/Off	3.0
SEIC24S	90	3.5	24 ±10%	On/Off	3.0
SEIC230S	90	3.5	230 ±10%	On/Off	3.0

Accessory	ADVFX - Adapter for SEIC/VFX coupling up to KVS 2,5 to allow the valve to be normally open on direct way
------------------	--

S models with 1 auxiliary microswitch 230 Vac, 3 A

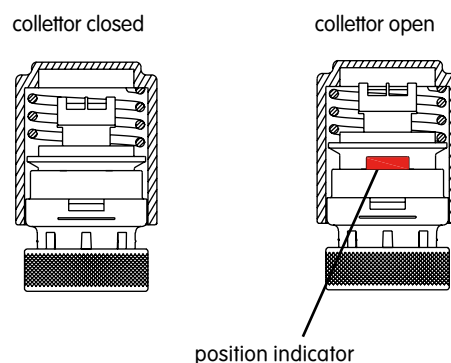
TECHNICAL DATA

Power supply:
SEIC24, SEIC24S 24 Vac ± 10% 50/60 Hz
SEIC230, SEIC230S 230 Vac ± 10% 50/60 Hz
Peak current:
SEIC24, SEIC24S < 0.25 A
SEIC230, SEIC230S < 0.70 A
Aux. switch rating: 3 A 230 Vac
Sensing element: special wax
Timing:
SEIC230, SEIC230S 3.5 min (3.5 mm at 20 °C)
SEIC24, SEIC24S 4.5 min (3.5 mm at 20 °C)
Working temp.: 0...50 °C
Working humidity: 10...90 % r.h. (without condensing)
Storage temp.: -10...60°C
Cable: PVC, section 2(4) x 0,50 mm², length 1 m
Connection: metal ring M30 x 1.5
Housing: matt polycarbonate
Protection class: IP40, IP44 if mounted vertically
 class II (SEIC230, SEIC230S),
 class III (SEIC24, SEIC24S)
Self extinguishing: V0 - V1 according to UL94
Dimensions: Ø 48,5 x h 65 mm
Weight: 150 g

INSTALLATIONS

Mount the thermal actuator on the body of collector by pressing it downward and tighten the metal ring nut on the thread. This operation must be done when the actuator is cold (not powered on). Perform the electrical connections as per electrical wiring diagrams. Pay attention that the power supply value corresponds to the value of actuator indicated on label stuck on the unit. The actuator has a red position indicator (fig.1).

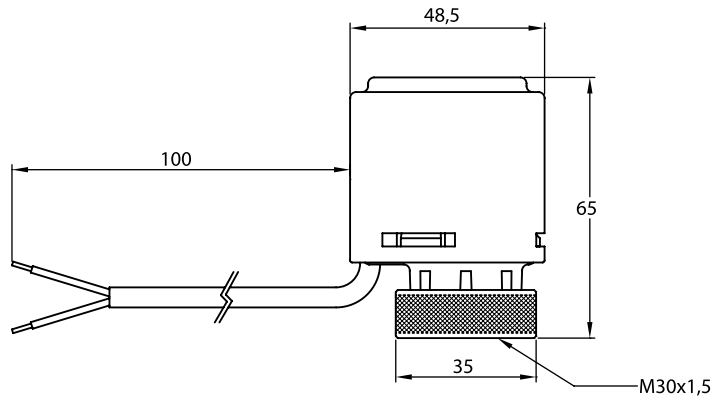
fig.1



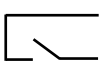
WIRING DIAGRAM AND DIMENSIONS (mm)

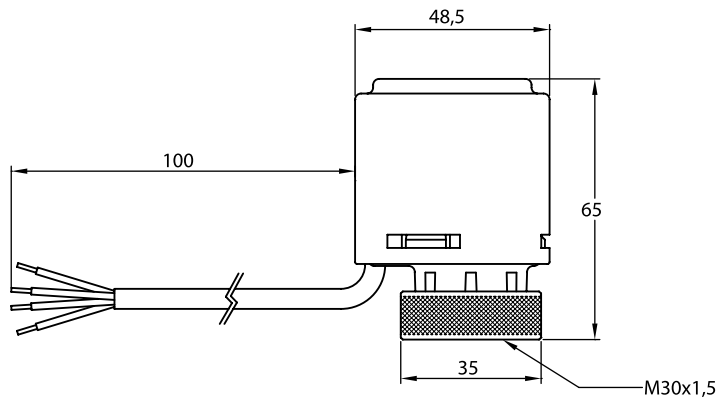
SE1C24, SE1C230

COM	Blue
24/230 Vac	Brown



SE1C24S, SE1C230S

COM	Blue
24/230 Vac SE1C24S, SE1C230S	Brown
Contatto ausiliario 	Grey
	Black



Manifold closed, contact open, actuator not powered on
 Manifold open, contact closed, actuator powered on

