

SMART BLOCKTHERM System

5 Type and Technical dat

5.1 SMART Controller

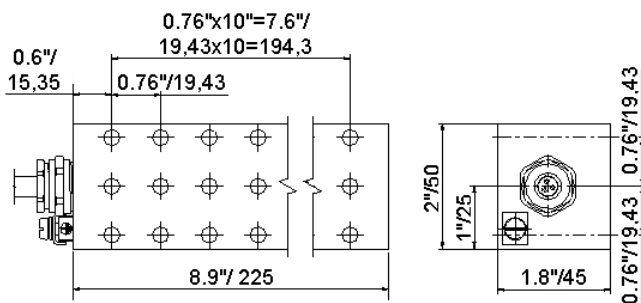
CSA Certificate	1655545 (LR43674)
CSA Type of Protection	Cl. 1, Div. 1, Grp ABCD T4
Ingress Protection	IP65
Nominal voltage	120 V AC
Minimum power	30 W
Maximum power	1200 W
Maximum Temperature	max. 80°C (box) -58°F to + 176°F/ -50°C to +80°C *
Conduit connection	½" NPT
Height x width x depth	4.3"x5.1"x5.1"/ 110x130x130 mm
Material	sea water proof aluminium; coated

* see data sheet HD253

5.2 CP BLOCKTHERM...

Type	CPA 200 T4 HI	CPA 500 T3 HI	CLA 100 T3 HI
CSA Certificate	1655545 (LR43674)		
CSA Type of Protection	Cl. 1, Div. 1, Grp ABCD T3/T4		
Ingress Protection	IP 68		
Operating temp. range	-58°F to + 356°F/ -50°C to 180°C		
Nominal voltage	120 V AC		
Length of connection cable	39"/ 1 m		
Length x Width x Height	8.9"x1.8"x2"/ 225x45x50 mm		
Material	seawater-proof aluminium, black anodized		

6 Dimensions CP BLOCKTHERM ...



Ordering example:

SMART controller with CP BLOCKTHERM CPA 500 T3 HI

7 The SMART controllers' functionality

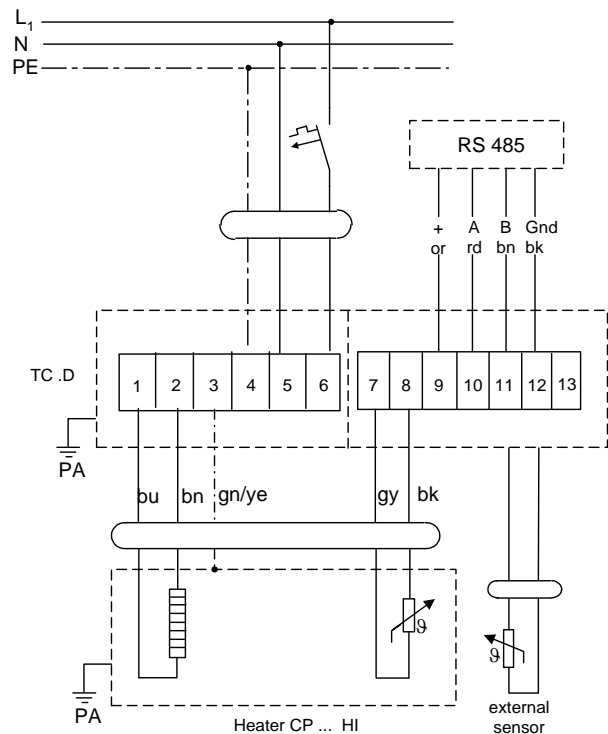
- PID-Controller
- Temperature management

The controller consists of an integrated triac which, when switching, is making use of phase group control with no voltage triac switching. A thermistor (NTC) is used as a temperature sensor. The electronics are completely sealed.

8 Mounting example



9 Electric wiring



bk=black bn=brown gy=grey bu=blue gn/ye=green/yellow or=orange rd=red