Permanent Auto-Tuning Modular Controllers

8 Series

8SX



Single-zone Controller

8DX



Dual-Zone Controller





The 8 series controller has been designed for molding applications with a low number of control zones, particularly in the automotive and technical molding industry.

Extremely compact, these twin zone modular controllers work in SISE 2 to 24 zone mainframes.

The 8 series benefits from the latest manufacturing technology including the optimum use of surface mounted electronic components (SMC) and is a new milestone in terms of performance, robustness and price.

GENERAL SPECIFICATIONS



- 8SX Single-Zone & 8DX Dual-Zone Modular Controller
- 6 cabinet sizes (2, 4, 8, 12,16 and 24 zones)
- 16 Amps per zone (3600 W)
- Change temperature using separate up/down keys for each zone.
- Zone display :
  - 3 digit temperature display in red
  - Status and alarms are displayed on the green digit
- 2 types of user interface :
  - **PREMIER** : Alarm and second set-point (stand-by) on dry contact.
  - **COM** : Alarm, second set-point (standby) + communication CAN bus, USB and RS 232/485.

Alarme Température !

STANDARD FEATURES :



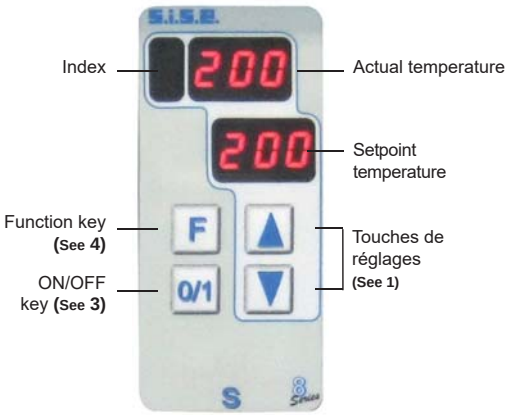
- RPermanent self tuning control by SISE
- Automatic and manual mode
- 2 setpoint values (Active and Stand-by)
- Selectable soft start modes (either 15%/100°C or ramp rate in°C/minute)
- Current measurement (Amps)
- Nominal power of heating elements measurement (kW)
- Separately adjustable alarms on temperature deviation (High and Low)
- Alarms for broken or reversed thermocouple
- Alarm for heating element failure

8 Series

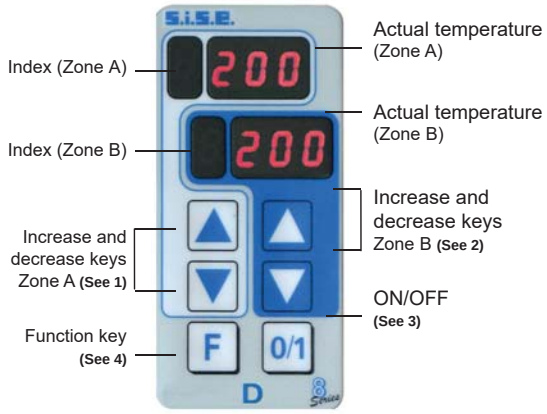
FONCTIONS AVANCEES :

- Switches to manual mode in case of thermocouple failure or simple alarm, according to the controller's configuration).
- COM interface allows :
  - Communication with machines according to Euromap 17/ Euromap 66,
  - RS 232/485, CAN BUS and USB (Win'Sise Software) standards

8 SERIES CONTROLLER DISPLAYS



8SX
Single-zone



8DX
2 zones de régulation

1) These 2 buttons control the value of both the setpoint and the parameters of zone A and are also used to adjust options (mode, control type, unit…)

2) These 2 buttons control the value of both the setpoint and the parameters of zone B, in the case of a dual-zone controller. These buttons are also used to adjust options (mode, control type, unit…)

3) This key switches the device on or off. Keeping the key pressed has no effect. The controller, when switched off, is still under power, but doesn't regulate. The display shows OFF.

4) This key allows access to main parameters and settings..

The 8 Series controllers offer 2 levels of user interface for all types of applications, from the most simple to the most sophisticated, especially with the communication capability to Euromap 17/66, CAN Bus, USB and RS 232/485 standards.



8C1D - Twin zone cabinet
PREMIER Configuration



8C2D- 4 zone cabinet
PREMIER Configuration



8C4S - 4 zone cabinet
MONOZONE



8C4D - 8 zone cabinet
PREMIER Configuration

8 Series

La Série 8 utilise une nouvelle version du très performant logiciel de régulation "Auto Adaptatif Permanent" conçu et développé par SISE. Ce logiciel recalcule en permanence les paramètres de régulation les mieux adaptés à chaque zone en prenant en compte immédiatement les évolutions des caractéristiques du process, ce qui rend les régulateurs SISE

COMPATIBLES AVEC L'ENSEMBLE DES SYSTÈMES CANAUX CHAUDS DU MARCHÉ.

Le logiciel intègre également une commande en découpage de phase pendant la rampe de démarrage, et une commande en train d'ondes pendant la régulation, garantissant ainsi à la fois la durée de vie des éléments chauffants et le respect des normes CEM en vigueur.



8C6D -12 zone cabinet
COM Configuration



8C8D - 16 zone cabinet
COM Configuration



8CH6D- 24 zone cabinet
PREMIER Configuration

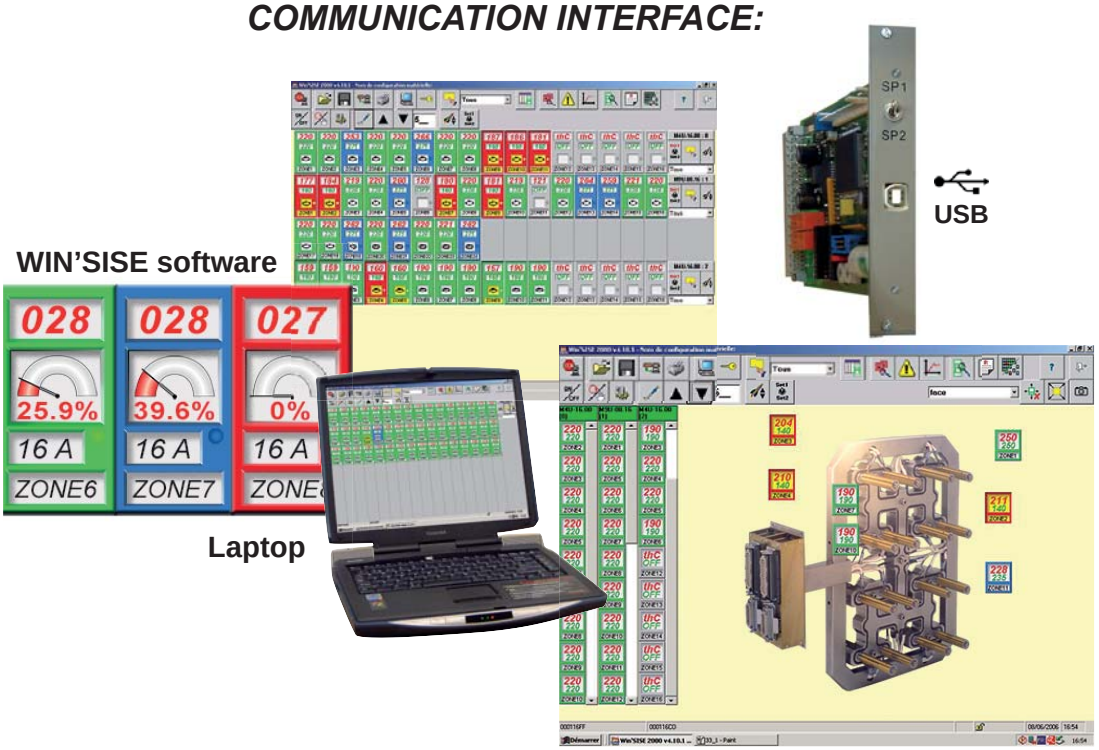


16 zone cabinet
SISE standard wiring.
Customized wiring available upon request.

TECHNICAL FEATURES FOR 8 SERIES CABINETS						
Ref.	Number of zones	Dimensions W x H x D in mm	Net Weight / Max. weight	Switch or Circuit Breaker	max. admissible power in kW (supply 400V 3 PH + N)	Size / length connection cables (mm^2 /m)
8C1D	2	132 x 194 x 270 mm	3,4 / 3,9 Kg	Switch 16A	3,6 kW *	3G2,5 mm^2 / 4 m
8C2S	2	208 x 214 x 330 mm	5,5 / 6,5 Kg	Switch 20A	9,2 kW	5G2,5 mm^2 / 4 m
8C2D	4	208 x 214 x 330 mm	5,5 / 6,5 Kg	Switch 20A	9,2 kW	5G2,5 mm^2 / 4 m
8C4S	4	309 x 214 x 385 mm	9 / 11,5 Kg	Circuit br. 4x25A	17 kW	5G4 mm^2/ 4 m
8C4D	8	309 x 214 x 385 mm	9 / 11,5 Kg	Circuit br. 4x25A	17 kW	5G4 mm^2 / 4 m
8C6S	6	410 x 214 x 385 mm	11 / 14,5 Kg	Circuit br. 4x25A	17 kW	5G4 mm^2 / 4 m
8C6D	12	410 x 214 x 385 mm	11 / 14,5 Kg	Circuit br. 4x32A	22 kW	5G6 mm^2 / 4 m
8C8S	8	510 x 214 x 385 mm	12,5 / 17 Kg	Circuit br. 4x25A	17 kW	5G4 mm^2 / 4 m
8C8D	16	510 x 214 x 385 mm	12,5 / 17 Kg	Circuit br. 4x40A	28 kW	5G10 mm^2 / 4 m
8C12S	12	410 x 390 x 418 mm	12,5/ 19 Kg	Circuit br. 4x32A	22 kW	5G6 mm^2 / 4 m
8C12D	24	410 x 390 x 418 mm	12,5/ 19 Kg	Circuit br. 4x63A	44 kW	5G16 mm^2 / 4 m

S : mainframe wiring for single-zone controller
D : mainframe wiring for dual-zone controller
(* Power supply 230V singlephase)

COMMUNICATION INTERFACE:



Machine E17 / E66 Communication

Optional Touchscreen

