

pro **CONTROL** *2.0*

Hot runner control technology

New standards in operating comfort

EWIKON

pro **CONTROL** *2.0*

Hot runner control technology for precise and comfortable process control

The capable EWIKON pro CONTROL 2.0 range of hot runner controllers allows the comfortable, reliable and precise control of your hot runner system. The quick control behaviour makes pro CONTROL 2.0 universally usable for standard applications as well as for demanding high-cavitation systems using slim and low-mass hot runner nozzles which are difficult to control. Furthermore, all controllers feature integrated communication interfaces for easy connection to the injection moulding machine and comprehensive support and error detection functions.

pro **CONTROL** *2.0* sets standards

Unique operating comfort

The intuitive, self-explanatory and clearly arranged touch screen user interface allows optimum process control.

Integrated communication interfaces

Easy connection to the injection moulding machine control via digital signals or extended data exchange via pre-defined communication standards.
The latest version EUROMAP 82.2, based on OPC UA, is supported as well.

Easy maintenance

Quick and most precise control behaviour

Universal use for all standard applications as well as for demanding high-cavitation systems using slim and low-mass hot runner nozzles which are difficult to control.



OPC UA

2 - 144 Control zones

Available housing types

For the control of systems with 6 - 24 control zones the controllers come with compact table top housings in two sizes with swivel-mounted 7" touch panel or externally mountable 7" or 12" touch panel.

For high-cavitation systems with up to 144 control zones two tower housings are available for 30 - 48 control zones and 54 - 144 control zones. External touch panels measuring 7" or 12" are available for operation.

Additionally, a particularly cost-efficient version with membrane keyboard is available for systems with 2 or 6 control zones.

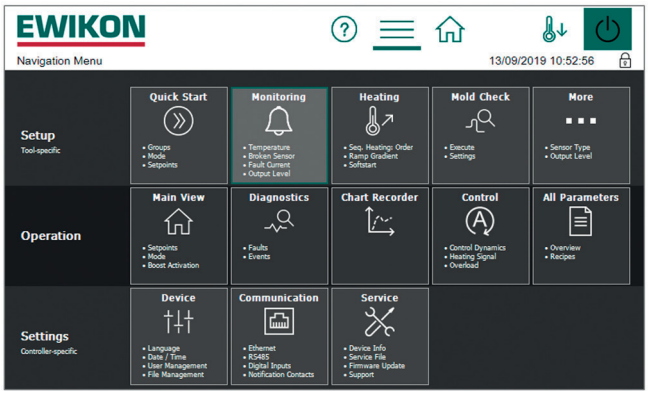


pro **CONTROL** *2.0* – Comfortable, clearly arranged, easy to maintain

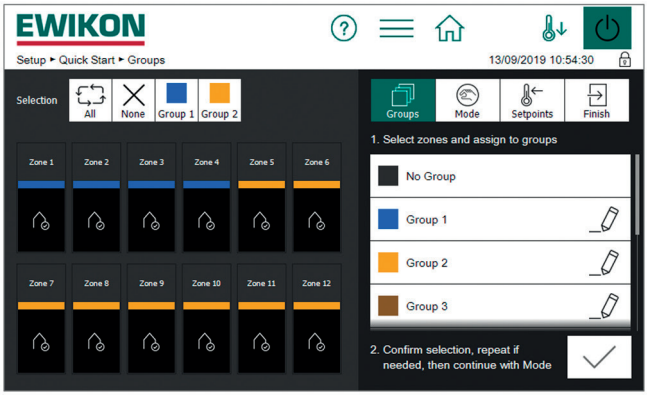
Clearly visible
Surrounding LED bar indicates the operating status



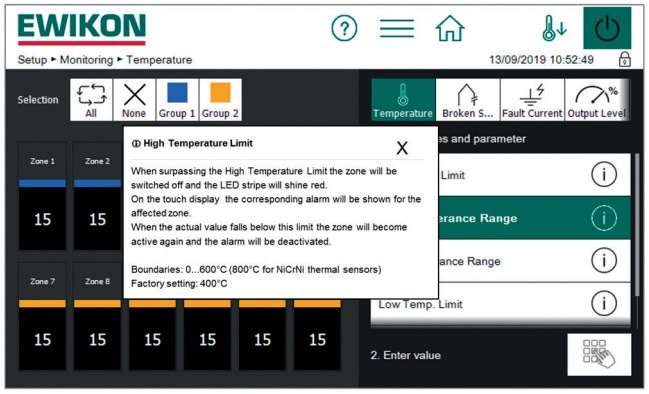
Unique operating comfort
Capacitive touch panel with a wide viewing angle
User interface with innovative features



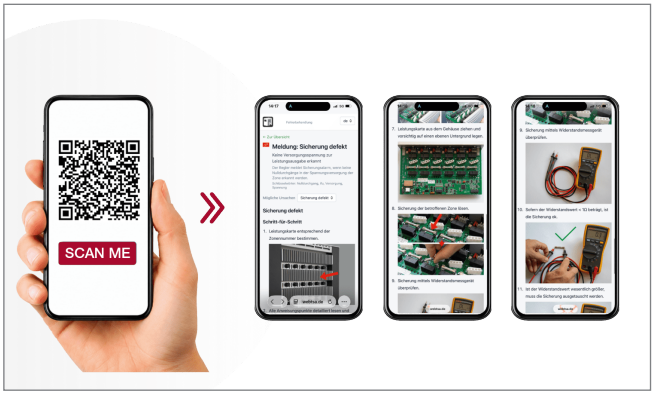
User-oriented design, all functions at a glance



Intuitive operation with clear screen layout



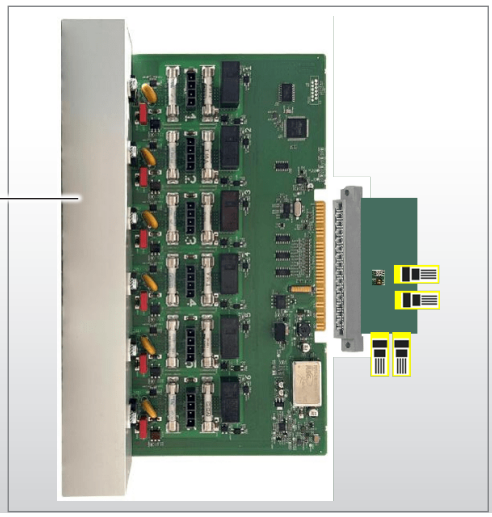
Integrated help function



Illustrated step-by-step troubleshooting using a QR code

Easy to maintain
Even faster when replacing a card. Fuses are now internal.
Pluggable backplane for power cards. No more addressing or wiring.





Features

- **Comfortable operation via touch screen display**
- **Several devices can be combined and operated via one display**
- **Self-explanatory user interface**
- **Quick start assistant**
- **Operator guidance in plain text**
- **Index with quick links**
- **Integrated help function with step-by-step troubleshooting guide via QR code**
- **Operating status indication via clearly visible LED bar**
- **Compound heating, sequential heating or combination of both functions**
- **Easy star/delta rewiring for international use**
- **Detailed event logging with export as service file**
- **Industry 4.0 ready (EM 82.2 via OPC UA)**
- **Comprehensive monitoring functions**
- **Integrated communication interfaces**
- **Various selectable languages**

For the version pro CONTROL BASIC 69400.002 / .006 not all features are included.

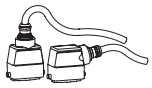
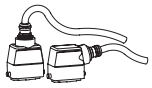
pro **CONTROL** *BASIC*

Table top housing

Item numbers / Connecting cables / Dimensions

2 - 6 Control zones



Table top housing		2 Control zones	6 Control zones
Item number		**69400.002**	**69400.006**
230 V	 **Power cable**	230 V + Thermo 63010.102 (4.5 m)	63010.108 (3 m) 63020.108 (6 m)
	 high flat **Power collective socket**	230 V + Thermo high 63010.009 flat 63010.001	high 63010.010 flat 63010.003
Thermo	 **Thermocouple collective cable**		63110.108 (3 m) 63120.108 (6 m)
	 high flat **Thermocouple collective socket**		high 63110.010 flat 61110.013
	 **Signal cable**	Digital In / Out: 60070.046 (6 m)	Digital In / Out: 60070.046 (6 m)
	Width / Height / Depth	180 / 285 / 430	180 / 285 / 430
	Weight	13 kg	13 kg
	Power output / mains plug*	3.5 kW / Schuko 16 A Length of connecting cable: 3 m	11 kW / 16 A CEE Length of connecting cable: 3 m

All controllers are available in different country-specific versions:

D Germany, 230 V, Y Star / **E** UK, 240 V, Y Star / **J** Japan, 208 V, Δ Delta / **U** USA, 240 V, Δ Delta

Special configurations e.g. connecting cables according to customer's specification for all controllers available on request.

*** Versions J / U (Delta) without mains plug**

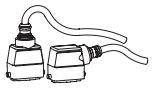
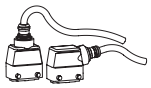
pro **CONTROL** *2.0*

Table top housing

Item numbers / Connecting cables / Dimensions

6 - 24 Control zones



Table top housing		6 / 12 Control zones	18 / 24 Control zones
Item number		**69610.006 / .012** Integrated 7" touch panel **69611.006 / .012** External 7" or 12" touch panel incl. mount and monitor cable	**69620.018 / .024** Integrated 7" touch panel **69621. 018 / .024** External 7" or 12" touch panel incl. mount and monitor cable
230 V	 **Power cable**	63010.112 (3 m) 63020.112 (6 m)	1 piece per 12 control zones 63010.112 (3 m) 63020.112 (6 m)
230 V	 high flat **Power collective socket**	high 63010.011 flat 63010.005	1 piece per 12 control zones high 63010.011 flat 63010.005
Thermo	 **Thermocouple collective cable**	63110.116 (3 m) 63120.116 (6 m)	1 piece per 12 control zones 63110.116 (3 m) 63120.116 (6 m)
Thermo	 high flat **Thermocouple collective socket**	high 63110.011 flat 63110.005	1 piece per 12 control zones high 63110.011 flat 63110.005
	 **Signal cable**	Digital In: 60070.044 (6 m) Digital Out: 60070.045 (6 m)	Digital In: 60070.044 (6 m) Digital Out: 60070.045 (6 m)
	Width / Height / Depth	323 / 200 / 444	323 / 388 / 444
	Weight	20 kg (12 zones)	27 kg (24 zones)
	Power output / mains plug*	22 kW / 32 A CEE Length of connecting cable: 3 m	22 kW / 32 A CEE Length of connecting cable: 3 m

All controllers are available in different country-specific versions:

D Germany, 230 V, Y Star / **E** UK, 240 V, Y Star / **J** Japan, 208 V, Δ Delta / **U** USA, 240 V, Δ Delta

Special configurations e.g. connecting cables according to customer's specification for all controllers available on request.

*** Versions J / U (Delta) without mains plug**

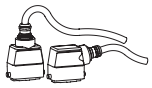
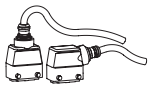
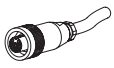
pro **CONTROL** *2.0*

Tower housing

Item numbers / Connecting cables / Dimensions

30 - 144 Control zones



Tower housing		30 - 48 Control zones	54 - 144 Control zones
Item number		**69641. _ _ _** External 7" or 12" touch panel incl. stand / mount (_ _ _ = number of control zones, e.g. 030, in 6 zone steps)	**69650. _ _ _** **69651. _ _ _** External 12" touch panel incl. stand / mount (_ _ _ = number of control zones, e.g. 054, in 6 zone steps)
230 V	 **Power cable**	1 piece per 12 control zones 63010.112 (3 m) 63020.112 (6 m)	
	 **Power collective socket**	1 piece per 12 control zones high 63010.011 flat 63010.005	
Thermo	 **Thermocouple collective cable**	1 piece per 12 control zones 63110.116 (3 m) 63120.116 (6 m)	
	 **Thermocouple collective socket**	1 piece per 12 control zones high 63110.011 flat 63110.005	
	 **Signal cable**	Digital In: 60070.044 (6 m) Digital Out: 60070.045 (6 m)	
	Width / Height / Depth	323 / 854 / 444	487 / 854 / 595
	Weight	95 kg (48 control zones)	160 kg (144 control zones)
	Power output / mains plug*	22 kW / 32 A CEE up to 36 control zones 43 kW / 63 A CEE up to 48 control zones Length of connecting cable: 3 m	43 kW / 63 A CEE up to 72 control zones 86 kW / 125 A CEE up to 144 control zones Length of connecting cable: 3 m

All controllers are available in different country-specific versions:

D Germany, 230 V, Y Star / **E** UK, 240 V, Y Star / **J** Japan, 208 V, Δ Delta / **U** USA, 240 V, Δ Delta

Special configurations e.g. connecting cables according to customer's specification for all controllers available on request.

*** Versions J / U (Delta) without mains plug**

pro **CONTROL** *2.0*

Technical data

Housing:	Metal housing, powder coated, IP20, lockable castors for tower housing
Power supply:	3 x 400 V AC, N, PE (+5 / -15 %, 50 - 60 Hz) 3 x 230 V AC, PE (+5 / -15 %, 50 - 60 Hz)
Power output:	max. 16 A per zone for 80 % on-time, pulse operation or phase angle control
Thermocouple:	Fe-CuNi Type J / NiCr-Ni Type K
Control accuracy:	Better 1 °C, self optimizing
Control range:	50 - 500 °C
Operating temperature:	0 - 50 °C
Features:	- Signal inputs: increase, power out ON/OFF, enable, stand by - Signal outputs: warning, alarm, optionally expandable - Data interfaces: USB 2.0, Ethernet CAT5, RS 485
Operation, display:	7 segment display and membrane keyboard, 7" (integrated) , 7"- (external) or 12"- (external) touch panel, depending on version. - Permanent display of setpoint and actual values plus power outputs for all zones - Languages: English, German, French, Italian, Spanish, Japanese, Chinese, Czech, Polish, Russian, more languages in preparation

pro **CONTROL** *2.0*

Spare parts and accessories

- Stable design
- Shelf for storing documents
- Large storage tray for cables
- Lockable castors



1

Trolley for pro CONTROL table top controllers 1

Technical data	Item number
For table top controllers with up to 24 control zones Dimensions (Width / Height / Depth): 430 / 865 / 600 Weight: 22,4 kg	60040.506

Accessories for pro CONTROL 2.0

Description	Item number
pro CONTROL 2.0 connection cable BP, L = 1 m	60070.060-V01
pro CONTROL 2.0 connection cable BP, L = 5 m	60070.060-V05
pro CONTROL 2.0 connection cable BP, L = 10 m	60070.060-V10
pro CONTROL 2.0 external 7" control panel	69600.070
pro CONTROL 2.0 external 12" control panel	69600.120

General accessories

Description	Item number
Signal cable pro CONTROL DigiIn, L = 6 m	60070.044
Signal cable pro CONTROL DigiOut, L = 6 m	60070.045
Signal cable pro CONTROL BASIC DigiIn/Out, L = 6 m	60070.046

General spare parts

Description	Item number
Fuse holder cap pro CONTROL	18401
Fuse pro CONTROL 16 A(gRL) 6.3x32 mm	18402
Fuse pro CONTROL 16 A (T) 6.3x32 mm	18403
Housing feet pro CONTROL, pluggable	18404

Spare parts for 694xx

Description	Item number
Processor board CONTROL BASIC for 694xx	60040.402
Power board pro CONTROL 6 zones	60040.500

Spare parts for 696xx

Description	Item number
pro CONTROL 2.0 6-slot expansion card	60040.600
pro CONTROL 2.0 replacement panel, 7" (internal)	60040.601
pro CONTROL 2.0 3-sided RGB LED strip	60040.602
pro CONTROL 2.0 interface card	60040.603

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Made In Germany

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