



pro **CONTROL**

Hot runner control technology

New standards in operating comfort

pro **CONTROL**

Hot runner control technology for precise and comfortable process control

The capable EWIKON pro CONTROL range of hot runner controllers allows the comfortable, reliable and precise control of your hot runner system. The quick control behaviour makes pro CONTROL 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** 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.



2 - 120 Control zones

Available housing types

For the control of systems with 6 - 36 control zones the controllers come with compact table top housings in three sizes with swivel-mounted 7" touch screen display or externally mountable 15" touch screen monitor. For high-cavitation systems with up to 120 control zones a tower housing with 10" touch screen display or a 19" touch screen monitor is available. Additionally, a particularly cost-efficient version with membrane keyboard is available for systems with 2 or 6 control zones.

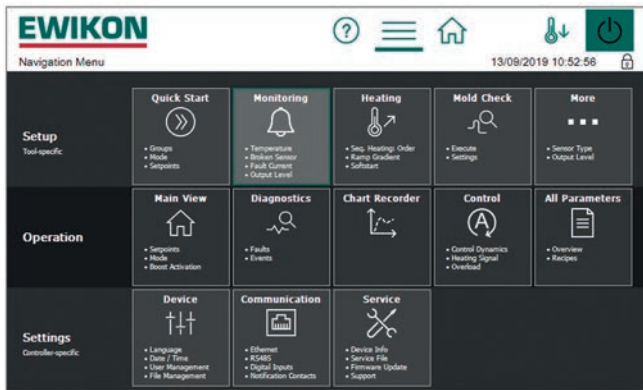


pro CONTROL – Comfortable, clearly arranged, easy to maintain

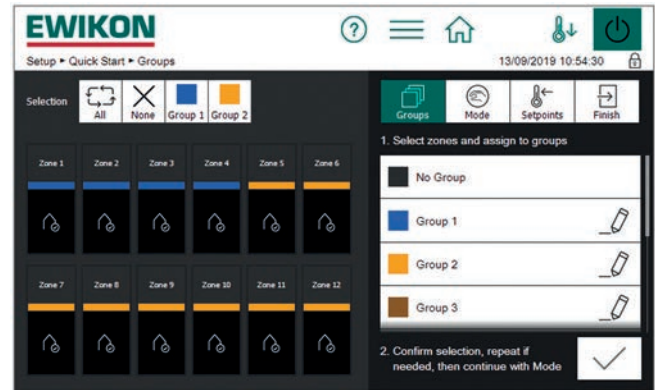


Clearly visible
Surrounding LED bar indicates the operating status

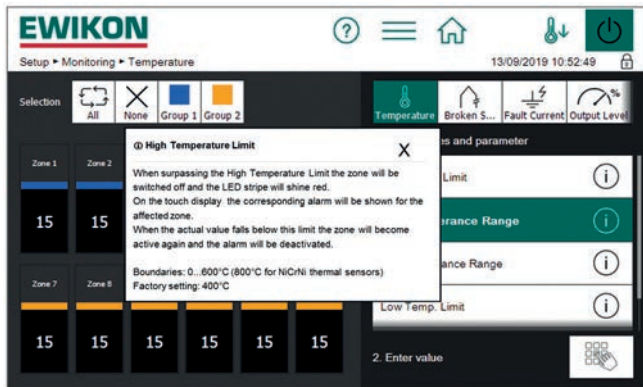
Unique operating comfort
Swivel-mounted touch screen display, user interface with innovative features



User-oriented design, all functions at a glance



Intuitive operation with clear screen layout



Integrated help function



Illustrated step-by-step troubleshooting guide

Easy to maintain

Cooling unit and fuses positioned outside.

Easy exchange of fuses or electronics without opening the housing



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
- 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
- Fuses positioned outside for enhanced maintenance
- Various selectable languages

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

pro **CONTROL** BASIC

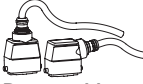

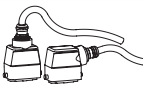


Table top housing

Item numbers / Connecting cables /
Dimensions

2 - 12

Control zones



Table top housing		2 Control zones	6 Control zones	12 Control zones
Item number		69400.002	69400.006	69400.012
230 V	 Power cable	230 V + Thermo 63010.102 (4.5 m)	63010.108 (3 m) 63020.108 (6 m)	63010.112 (3 m) 63020.112 (6 m)
	 high flat Power collective socket	230 V + Thermo high 63010.009 flat 63010.001	high 63010.010 flat 63010.003	high 63010.011 flat 63010.005
Thermo	 Thermocouple collective cable		63110.108 (3 m) 63120.108 (6 m)	63110.116 (3 m) 63120.116 (6 m)
	 high flat Thermocouple collective socket		high 63110.010 flat 61110.013	high 63110.011 flat 63110.005
 Signal cable		Digital In / Out: 60070.046 (6 m)	Digital In / Out: 60070.046 (6 m)	Digital In / Out: 60070.046 (6 m)
Width / Height / Depth		180 / 285 / 430	180 / 285 / 430	210 / 285 / 430
Weight		13 kg	13 kg	15 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	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

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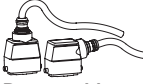

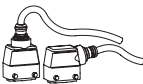


Table top housing

Item numbers / Connecting cables /
Dimensions

6 - 36

Control zones



Table top housing		6 / 12 Control zones	18 / 24 Control zones	30 / 36 Control zones
Item number		69510.006 / .012 Integrated swivel-mounted 7" touch screen display 69511.006 / .012 External 15" touch screen monitor incl. mount and monitor cable (5 m)	69520.018 / .024 Integrated swivel-mounted 7" touch screen display 69521.018 / .024 External 15" touch screen monitor incl. mount and monitor cable (5 m)	69530.030 / .036 Integrated swivel-mounted 7" touch screen display 69531.030 / .036 External 15" touch screen monitor incl. mount and monitor cable (5 m)
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)	1 piece per 12 control zones 63010.112 (3 m) 63020.112 (6 m)
	 Power collective socket	high 63010.011 flat 63010.005	1 piece per 12 control zones 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)	1 piece per 12 control zones 63110.116 (3 m) 63120.116 (6 m)
	 Thermocouple collective socket	high 63110.011 flat 63110.005	1 piece per 12 control zones 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)	Digital In: 60070.044 (6 m) Digital Out: 60070.045 (6 m)
Width / Height / Depth		386 / 215 / 515	386 / 295 / 515	386 / 375 / 515
Weight		19 kg	23 kg	31 kg
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	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



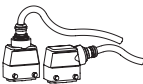

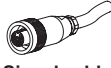
Tower housing

Item numbers / Connecting cables /
Dimensions

36 - 120

Control zones



Tower housing		36 - 120 Control zones
Item number		<p>69550. _ _ _ _ Integrated 10" touch screen display</p> <p>69551. _ _ _ _ External 19" touch screen monitor incl. stand and monitor cable (1 m) (_ _ _ = number of control zones, e.g. 048, in 6 zone steps)</p>
230 V	 Power cable	<p>1 piece per 12 control zones 63010.112 (3 m) 63020.112 (6 m)</p>
	 Power collective socket	<p>1 piece per 12 control zones high 63010.011 flat 63010.005</p>
Thermo	 Thermocouple collective cable	<p>1 piece per 12 control zones 63110.116 (3 m) 63120.116 (6 m)</p>
	 Thermocouple collective socket	<p>1 piece per 12 control zones high 63110.011 flat 63110.005</p>
 Signal cable		<p>Digital In: 60070.044 (6 m) Digital Out: 60070.045 (6 m)</p>
Width / Height / Depth		500 / 1160 / 650
Weight		96 kg (60 control zones) 130 kg (120 control zones)
Power output / mains plug*		43 kW / 63 A CEE up to 60 control zones 86 kW / 125 A CEE up to 120 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

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:	5 - 35 °C
Features:	<ul style="list-style-type: none"> - Signal inputs: increase, power out ON/OFF, enable, stand by - Signal outputs: warning, alarm, optionally expandable - Data interfaces: USB 3.0, Ethernet CAT5, RS 485
Operation, display:	<p>7 segment display and membrane keyboard, 7" (integrated) , 10" (integrated), 15" or 19" LCD with touch monitor, depending on version. 19" monitor mounted on the controller, 15" monitor suitable for split installation up to 10 m away from the controller.</p> <ul style="list-style-type: none"> - 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

Spare parts and accessories

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



Trolley for pro CONTROL table top controllers 1

Technical data	Item number
For table top controllers with up to 36 control zones Dimensions (Width / Height / Depth): 430 / 865 / 600 Weight: 22,4 kg	60040.506

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
Power board pro CONTROL 6 zones	60040.500
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

Spare parts for 695xx

Description	Item number
Processor board pro CONTROL 695xx, internal	60040.501
Processor board pro CONTROL 695xx, external	60040.502
Control panel pro CONTROL 7" complete	60040.503
Mount pro CONTROL for 15" monitor	60040.504
Stand pro CONTROL for 19" monitor	60040.505
Monitor cable pro CONTROL, L = 1 m, external	60070.047-V01
Monitor cable pro CONTROL, L = 5 m, external	60070.047-V05
Monitor cable pro CONTROL, L = 10 m, external	60070.047-V10
Operating monitor pro CONTROL 15"	69500.150
Operating monitor pro CONTROL 19"	69500.190

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Technical information subject to alteration. | EWIKON 06/2023 EN

