



Cobra Injection Molding Temperature Control Systems **Improve process and reliability of your injection molding process.**

Cobra XLT-15 Series Module is one of the most technically advanced temperature controls available, using state-of-the-art microprocessor-based circuitry to perform all required PID functions. Units have built-in diagnostics and are fully self-tuning.

The Cobra System Components Available Include:

- ▶ Mainframes
- ▶ State-of-the-art Temperature Control Modules
- ▶ Cables---Heater Power and Thermocouple
- ▶ Wiring Junction Boxes
- ▶ Input Connectors
- ▶ High Quality Mobile Cart and Transformer
- ▶ Accessories



Cobra XLT-15 Hot Runner Module

Performance Specifications	
Control Mode	Auto & Manual
Transmit temp:	-40°F to 158°F (-40°C to 70°C)
Temperature Range	50°C-537°C
Control Accuracy	1 ± 0.3% of span
Temperature Stability	±0.5%
Compensated Manual Control	Yes
Thermocouple Type	J or K
Advance diagnostics Indicators	Yes
Temperature Units	°C or °F
Temp Control Range	113 °F - 1022 °F (45°C to 550°C)
Repeat Test Precision	±0.1%
Calibration Accuracy	0.1% of span
T/C Cold Junction Compensation	Dynamic Tracking
Point Load	15A, 3500W/220V or 1650W/110V
Relative Humidity	10%-95%
Cycle Time	200ms
Temperature Reset	Yes
Ramp Start TM(RS)	Yes
RS Duration	10 minutes
Rs Override Temperature	1% of span
Operational Mode Priority	OFF MODE
Electrical Power Specifications	
Input Voltage	AC185V-245V
Frequency	50/60HZ
DC Power Supplies	No
Module Power Usage	No





Cobra XLT-15 Hot Runner Modules

High-End Features and Performance --- Budget Price



- Compatible with Most all Controls Systems
- Phase Angle Fired Output Offers Enhanced Heater and Fuse Life
- Adjustable Soft-Start Protects Manifolds, Less Down Time
- One Button Operation: Auto Mode, Manual, Standby
- Easy to Read Display with One Button Operation
 - Independent Process Temperature & Set-Point
 - Load Current Amps
 - Percentage of Output
 - Cold Junction
- Adaptive "Full Time" Auto-Tune, Manages Mass of Any Mold
- Rugged Construction
 - Sealed Positive Click Buttons, Easy to Clean
 - Anti-Vibration Mounting of Semiconductor
 - Heavy Duty On/Off Switch
 - Highest Quality Electronics



Cobra 12 Zone Hot Runner Equipment

Cobra 12 Zone Main Frame

Equipped with handles for easy carry, 60 Amp breaker and is compatible with most systems.



Part Number

COBRA-MF-12

Cobra 12 Zone Complete Set

Includes: Mainframe and Modules



Part Number

COBRA-12Z-C

Cobra 12 Zone Thermocouple Cables

Heavy duty, well made with high quality interconnects on each end.



Length	Part Number	
10'	COBRA-TC-12Z-10	
12'	COBRA-TC-12Z-12	
15'	COBRA-TC-12Z-15	
20'	COBRA-TC-12Z-20	
25'	COBRA-TC-12Z-25	

Cobra 12 Zone Power Cables

Heavy duty, well made with high quality interconnects on each end.



Length	Part Number	
10'	COBRA-P-12Z-10	
12'	COBRA-P-12Z-12	
15'	COBRA-P-12Z-15	
20'	COBRA-P-12Z-20	
25'	COBRA-P-12Z-25	



Cobra 8 Zone Hot Runner Equipment

Cobra 8 Zone Main Frame

Equipped with handles for easy carry, 60 Amp breaker and is compatible with most systems.



Part Number

COBRA-MF-8

Cobra 8 Zone Complete Set

Includes: Mainframe and Modules



Part Number

COBRA-8Z-C

Cobra 8 Zone Thermocouple Cables

Heavy duty, well made with high quality interconnects on each end.



Length	Part Number	
10'	COBRA-TC-8Z-10	
12'	COBRA-TC-8Z-12	
15'	COBRA-TC-8Z-15	
20'	COBRA-TC-8Z-20	
25'	COBRA-TC-8Z-25	

Cobra 8 Zone Power Cables

Heavy duty, well made with high quality interconnects on each end.



Length	Part Number	
10'	COBRA-P-8Z-10	
12'	COBRA-P-8Z-12	
15'	COBRA-P-8Z-15	
20'	COBRA-P-8Z-20	
25'	COBRA-P-8Z-25	



Cobra 5 Zone Hot Runner Equipment

Cobra 5 Zone Main Frame

Equipped with handles for easy carry, 60 Amp breaker and is compatible with most systems.



Part Number	
COBRA-MF-5	

Cobra 5 Zone Complete Set

Includes: Mainframe and Modules



Part Number	
COBRA-5Z-C	

Cobra 5 Zone Thermocouple Cables

Heavy duty, well made with high quality interconnects on each end.



Length	Part Number	
10'	COBRA-TC-5Z-10	
15'	COBRA-TC-5Z-15	
20'	COBRA-TC-5Z-20	

Cobra 5 Zone Power Cables

Heavy duty, well made with high quality interconnects on each end.



Length	Part Number	
10'	COBRA-P-5Z-10	
15'	COBRA-P-5Z-15	
20'	COBRA-P-5Z-20	



Cobra 1 & 2 Zone Hot Runner Equipment

Cobra 2 Zone Main Frame

Same High Quality and Reliability as the Larger Units



Part Number	
COBRA-MF-2	

Cobra 2 Zone Complete Set

Includes: Mainframe and Modules



Part Number	
COBRA-2Z-C	

Cobra 1 Zone Main Frame

Smallest Foot Print Single Zone Unit in the Industry



Part Number	
COBRA-MF-1	

Cobra 1 Zone Complete Set

Includes: Mainframe and Module



Part Number	
COBRA-1Z-C	

Cobra 1 Zone Complete Set

Includes: Mainframe and Module






Part Number	
COBRA-D-1Z-10	
COBRA-D-1Z-20	




Cobra Connectors and Harnesses

Mold Power Connectors

Mold Power Connectors have 6' of leads with ground wire with Standard 15 Amp

Part Number	Description	Picture	
MPC-5	5 Zone, 10 Pin (Male)		
MPC-8	8 Zone		
MPC-12	12 Zone		

Mold Thermocouple Connectors

Part Number	Description	Picture	
MTC-5	5 Zone		
MTC-8	8 Zone		
MTC-12	12 Zone		






Cobra Connectors and Harnesses Con't

Connector Kits




Part Number	Description	Picture	
MEK-5TC	5-Zone, Mold End Kit T/C (Female)		
MEK-8TC	8-Zone, Mold End Kit T/C (Female)		
MEK-12TC	12-Zone, Mold End Kit T/C (Female)		
MEK-PR	5, 8 & 12-Zone, Mold End Kit, Power (Female) 15 amp		
FEK-TC	5, 8 & 12-Zone, Frame End Kit, T/C (Female)		
FEK-PR	5, 8 & 12-Zone, Frame End Kit, Power (Male) 15 amp		
FCK-TC	5, 8 & 12-Zone, Frame T/C Connector (Male)		
FCK-PR	5, 8 & 12-Zone, Frame Power Connector (Female) 15		
MF-EC	Card Edge Connector Kit w/Contacts - PC Board		
MF-ECC	Card Edge Connector Contact		
MF-CG	6" Card Guide for all PC Boards		
ABC-15-R	Fuse, 15 amp (2 required per module)		
COBRA-MFB	Cobra Main Frame Breaker 80amp		

Cobra Connectors and Harnesses Con't

Connector Kits




Part Number	Description	Picture	
1Z-ME	Cable End Mold Connector (Female) - 5 Pin		
1Z-FE	Cable End Frame Connector (Male) - 5 Pin		
1Z-MC	Mold Connector (Male) - 5 Pin		
1Z-FC	Frame Connector (Female) - 5 Pin		
1Z-MEL	Cable Coupler Hood, w/ Latch, Male, 1 & 2 Zones		

Power Main Frame Harnesses




Part Number	Description	Picture	
MF-PH5	5 Zone with Proper Wire Lengths (Female)		
MF-PH8	8 Zone with Proper Wire Lengths (Female)		
MF-PH12	12 Zone with Proper Wire Lengths (Female)		

Cobra Connectors and Harnesses Con't




Thermocouple Main Frame Harnesses

Part Number	Description	Picture	
MF-TH5	5 Zone with Proper Wire Lengths (Male)		
MF-TH8	8 Zone with Proper Wire Lengths (Male)		
MF-TH12	12 Zone with Proper Wire Lengths (Male)		

Mold Wiring Junction Box (Empty)

Part Number	Description	Picture	
MJB-5	5 Zone, Connectors Must Be Ordered Separately		
MJB-8	8 Zone, Connectors Must Be Ordered Separately		
MJB-12	12 Zone, Connectors Must Be Ordered Separately		

Mold Wiring Junction Box (Pre-wired)

Part Number	Description	Picture	
MJBW-5	5 Zone, Connectors Must Be Ordered Separately		
MJBW-8	8 Zone, Connectors Must Be Ordered Separately		
MJBW-12	12 Zone, Connectors Must Be Ordered Separately		



***Ideal Hot Runner Cart
for easy immovability and complete organization available!***



***Ask us for any needed accessories even for
custom builds, all pieces typically IN STOCK and
ready to ship SAME DAY!***