



Applications

IC 915 controllers are electronic two-step devices, either dependent or independent or with neutral zone, used to control temperature, relative humidity and pressure.

Common features

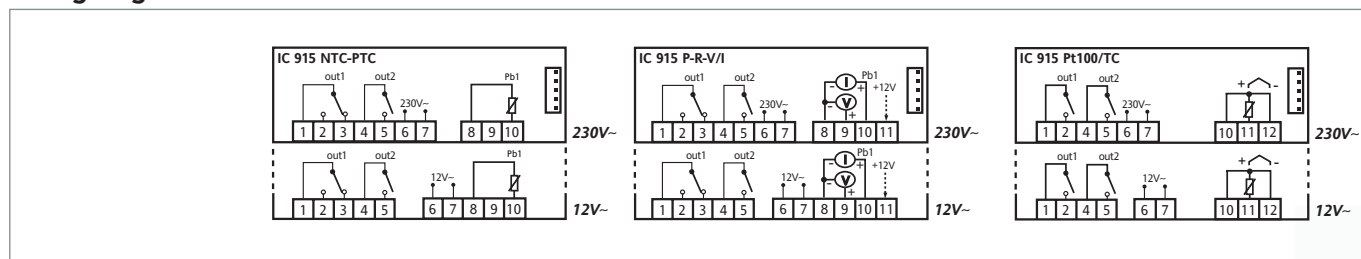
Front panel: IP65
 Container: PC+ABS UL94 V-0 plastic resin casing, polycarbonate window, thermoplastic resin keys
 Dimensions: front panel 74x32mm, depth 59mm
 Installation: panel mounting with 71x29mm drilling template

(+0.2/-0.1mm)
 Operating temperature: -5...55°C
 Storage temperature: -30...85°C
 Ambient humidity for operation and storage: 10...90% RH (non-condensing)
 Soft Start function present

General features	IC 915 NTC/PTC	IC 912 LX P/R/V-I	IC 912 LX TC/Pt100
Display range:	<ul style="list-style-type: none"> • NTC probe: -50.0...110.0°C • PTC probe: -55.0...140.0°C 	<ul style="list-style-type: none"> • -99...100 * • -99.9...100.0 * • 999...1000 * 	<ul style="list-style-type: none"> • Pt100 probe: -150...650°C • TcJ probe: -40...750°C • TcK probe: -40...1350°C
Display:	no decimal point * 3 and a half digits + sign	no decimal point * 3 and a half digits + sign	no decimal point * 3 and a half digits + sign
Analogue inputs:	1 PTC or NTC *	1 V-I (0...1V, 0...5V, 0...10V, 0...20mA, 4...20mA)*	1 Pt100 or 1 TcJ/TcK
Connections:	TTL port for connection to Copy Card	TTL port for connection to Copy Card	TTL port for connection to Copy Card
Digital outputs:	1 SPDT 8(3)A 250V~ + 1 SPST 8(3)A 250V~	1 SPDT 8(3)A 250V~ + 1 SPST 8(3)A 250V~	1 SPDT 8(3)A 250V~ + 1 SPST 8(3)A 250V~
Measurement range:	from -50 to 140	from -999 to 1000	from -150 to 1350
Accuracy:	better than 0.5% of end of scale + 1 digit	better than 0.5% of end of scale + 1 digit	Pt100: 0.5% for whole scale + 1 digit, 0.2% from -150 to 300°C TcJ: 0.4% for whole scale + 1 digit TcK: 0.5% for whole scale + 1 digit, 0.3% from -40 to 800°C
Resolution:	0.1 °C	0.1 or 1°C *	Pt100: 0.1°C (0.1°F) up to 199.9°C 1°C (1°F) over TcJ: 0.1°C (0.1°F) up to 199.9°C (1°F) over TcK: 0.1°C (0.1°F)
Power consumption:	<ul style="list-style-type: none"> • 1.5W for model 12V~ • 3W for model 230V~ 	<ul style="list-style-type: none"> • 1.5W for model 12V~ • 3W for model 230V~ 	<ul style="list-style-type: none"> • 1.5W for model 12V~ • 3W for model 230V~
Power supply:	<ul style="list-style-type: none"> • 12V~/12...24V~/24V~ ±10% 50/60Hz • 110...115V~/220...230V~ ±10% 50/60Hz 	<ul style="list-style-type: none"> • 12V~/12...24V~/24V~ ±10% 50/60Hz • 110...115V~/220...230V~ ±10% 50/60Hz 	<ul style="list-style-type: none"> • 12V~/12...24V~/24V~ ±10% 50/60Hz • 110...115V~/220...230V~ ±10% 50/60Hz
Alarm:	optional	optional	optional

*(selectable by parameter)

Wiring diagram



Codes

p/n	description	Probe	Power supply
IC12C00TCH700	IC 915 temperature	NTC/PTC	230V~
IC12C00TCD400	IC 915 temperature	NTC/PTC	12...24V~
IC12J00THD700	IC 915 temperature	TC/Pt100	230V~
IC12J00THD400	IC 915 temperature	TC/Pt100	12...24V~

Codes

p/n	description	Probe	Power supply
IR12100TBD700	IC 915 humidity	4...20mA	230V~
IP12A00TRD700	IC 915 pressure	EWPA 007	230V~
IP12B00TRD700	IC 915 pressure	EWPA 030	230V~
IC12I00TRN700	IC 915 neutral	4...20mA	230V~



Applications

IC 915 LX controllers are electronic two-step devices, either dependent or independent or with neutral zone, used to control temperature, relative humidity and pressure and compatible with Televis**System** and monitoring systems with ModBus protocol.

Common features

Front panel: IP65

Container: PC+ABS UL94 V-0 plastic resin casing, polycarbonate window, thermoplastic resin keys

Dimensions: front panel 74x32mm, depth 59mm

Installation: panel mounting with 71x29mm drilling template

(+0.2/-0.1mm)

Operating temperature: -5...55°C

Storage temperature: -30...85°C

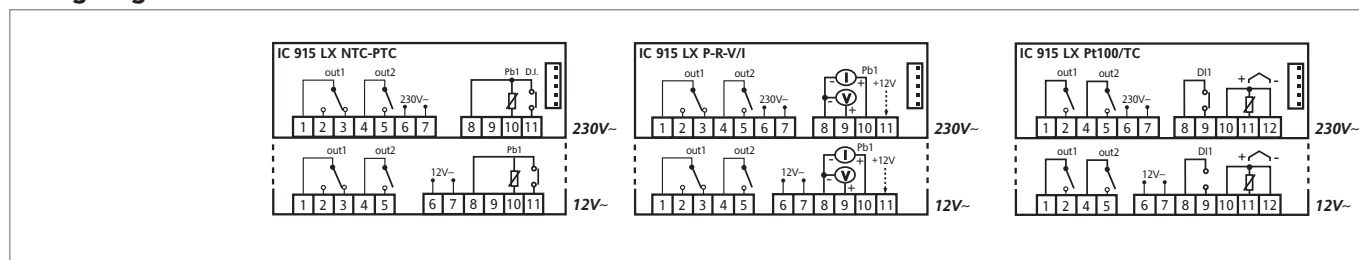
Ambient humidity for operation and storage: 10...90% RH (non-condensing)

Soft Start function present

General features	IC 915 LX NTC/PTC	IC 915 LX P/R/V-I	IC 915 LX TC/Pt100
Display range:	<ul style="list-style-type: none"> • NTC probe: -50.0...110.0°C • PTC probe: -55.0...140.0°C 	<ul style="list-style-type: none"> • -99...100 * • -99.9...100.0 * • 999...1000 * 	<ul style="list-style-type: none"> • Pt100 probe: -150...650°C • TcJ probe: -40...750°C • TcK probe: -40...1350°C
Display:	no decimal point * 3 and a half digits + sign	no decimal point * 3 and a half digits + sign	no decimal point * 3 and a half digits + sign
Analogue inputs:	1 PTC or NTC *	1V(0...1V,0...5V,0...10V,0...20mA,4...20mA)*	1 Pt100 or 1 TcJ/TcK
Digital inputs:	1 clean contact at extra low safety voltage	not available	1 clean contact at extra low safety voltage
Connections:	TTL port for connection to Copy Card, Televis System and systems with ModBus protocol	TTL port for connection to Copy Card, Televis System and systems with ModBus protocol	TTL port for connection to Copy Card, Televis System and systems with ModBus protocol
Digital outputs:	1 SPDT 8(3)A 250V~ + 1 SPDT 8(3)A 250V~	1 SPDT 8(3)A 250V~ + 1 SPDT 8(3)A 250V~	1 SPDT 8(3)A 250V~ + 1 SPDT 8(3)A 250V~
Measurement range:	from -50 to 140	from -999 to 1000	from -150 to 1350
Accuracy:	better than 0.5% of end of scale +1 digit	better than 0.5% of end of scale +1 digit	Pt100: 0.5% for whole scale + 1 digit, 0.2% from -150 to 300°C TcJ: 0.4% for whole scale + 1 digit TcK: 0.5% for whole scale + 1 digit, 0.3% from -40 to 800°C
Resolution:	0.1 or 1°C *	0.1 or 1°C *	Pt100: 0.1°C (0.1°F) up to 199.9°C 1°C (1°F) over TcJ: 0.1°C (0.1°F) up to 199.9°C (1°F) over TcK: 0.1°C (0.1°F)
Power consumption:	<ul style="list-style-type: none"> • 1.5W for model 12V~ • 3W for model 230V~ 	<ul style="list-style-type: none"> • 1.5W for model 12V~ • 3W for model 230V~ 	<ul style="list-style-type: none"> • 1.5W for model 12V~ • 3W for model 230V~
Power supply:	<ul style="list-style-type: none"> • 12V~/12...24V~/24V~ ±10% 50/60Hz • 110...115V~/220...230V~±10% 50/60Hz 	<ul style="list-style-type: none"> • 12V~/12...24V~/24V~ ±10% 50/60Hz • 110...115V~/220...230V~±10% 50/60Hz 	<ul style="list-style-type: none"> • 12V~/12...24V~/24V~ ±10% 50/60Hz • 110...115V~/220...230V~±10% 50/60Hz

*(selectable by parameter)

Wiring diagram



Codes

p/n	description	Probe	Power supply
IC12JI0XHD700	IC 915 LX temperature	TC/Pt100	230V~
IC12CI0XCD700	IC 915 LX temperature	NTC/PTC	230V~
IR12I00XBD700	IC 915 LX humidity	4...20mA	230V~

Codes

p/n	description	Probe	Power supply
IP12I00XRD700	IC 915 LX pressure	4...20mA	230V~
IC12I00XRN700	IC 915 LX neutral	4...20mA	230V~