› Logic Controller
em4 & Millenium Evo interface
Bluetooth interface

› **Connect via Smartphone or PC**

› **Access to your PLC with Crouzet Virtual Dispal or directly in Crouzet Soft**

› **Program, parameters modification and download datalos nearby your installation**
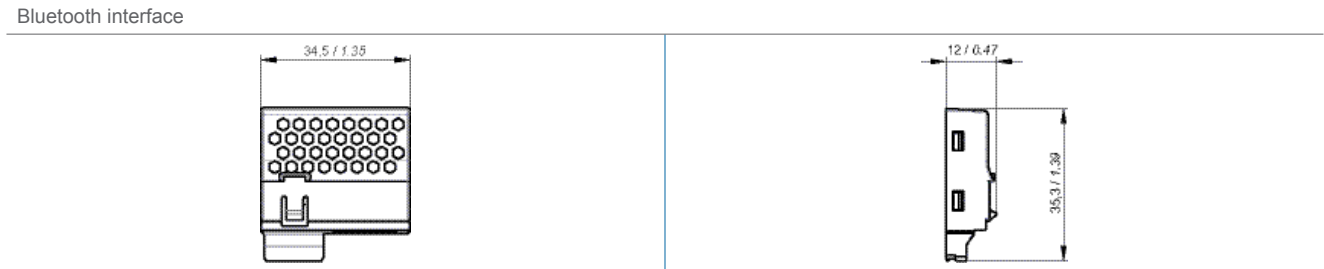
Bluetooth interface

Product selection	
Designation	**Part number**
Bluetooth interface	**88 980 112**
Bluetooh interface + USB Bluetooth receiver	**88 980 116**
Bluetooth Kits (Millenium EVO Ethernet 88 9750 111, Bluetooth interface 88 980 112, Bluetooth receiver 88 980 116)	**88 975 911**
Bluetooth Kits (Millenium EVO Standalone 88 9750 101, Bluetooth interface 88 980 112, Bluetooth receiver 88 980 116)	**88 975 901**

General characteristics	
Finish	Glossy black
Color	Black RAL 9011
Material	UL94 V0, 1272/2008/CE (Halogen free)
Products certification	CE, cURus Listed
Conformity with the RED directive (in accordance with 2014/53/EU)	EN 300 328 V2.1.1 : Radio essential requirements
	EN 301 489-17 V3.1.1 : EMC essential requirements
	EN 301 489-1 V2.1.1 : EMC essential requirements
	EN 62479 :2010: Health essential requirements
	EN 60950-1 :2006 + A11:2009 + A1:2010 + A12:2012 + A2:2013 : Safety essential requirements
Frequency range, power	2402 - 2480 MHz, +3dBm
Operation temperature	-20 (-4 °F) → +60°C (140 °F) (+40°C (104 °F) in a non-ventilated enclosure)
	UL : Maximum surrounding air temperature of 50°C
Storage temperature	-40 (-40 °F) → +80°C (176 °F)
Relative humidity	95% max. (no condensation or dripping water)
Maximum utilization altitude	Operation: 2000 m
	Transport: 3000 m
Resistance to electrostatic discharge	Immunity to ESD IEC/EN 61000-4-2, level 3
Resistance to HF interference (Immunity)	Immunity to radiated electrostatic fields IEC/EN 61000-4-3, level 3
	Immunity to fast transients (burst immunity) IEC/EN 61000-4-4, level 3
	Immunity to shock waves IEC/EN 61000-4-5
	Radio frequency in common mode IEC/EN 61000-4-6, level 3
Conducted and radiated emissions (in accordance with EN 55022/11 group 1)	Class B
Protocol	Bluetooth ≥ V4.2
Hardware compatibility	Base 24 VDC power supply version
Max. absorbed power	0.25W @ 3.3V
Software compatibility	Windows W7 min, Android 4.3 min

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Protection rating (in accordance with IEC/EN 60529)	IP 20
Range	≤ 10 m
Weight	Without packing: 9 g With packing: 15 g
Dimensions	Without packing: 35 x 36 x 12 mm / 1.38 x 1.42 x 0.47 inch With packing: 80 x 140 x 30 mm / 3.15 x 5.51 x 1.18 inch

Technical sketches

Dimensions (mm)

Bluetooth interface