



## Commercial status

Discontinued on: 27 December 2019

End-of-service soon on: 28 December 2023

HMISTO531 has not been replaced. Please contact your customer care center for more information.

ⓘ Restricted Sales for Services

## Main

Range of product	Harmony STO & STU
Product or component type	Touch panel screen
Software designation	Vijeo Designer
Operating system	Harmony
Processor name	CPU RISC

## Complementary

Display size	3.4 inch
Display type	Backlit monochrome STN LCD
Background colour	Green, orange and red
Display resolution	200 x 80 pixels
Touch panel	Analogue
Backlight lifespan	10000 hours with red 50000 hours with orange 50000 hours with green
Brightness	8 levels
Contrast	16 levels via touch panel
Character font	Chinese (simplified Chinese) Korean Taiwanese (traditional Chinese) Japanese (ANK, Kanji) ASCII
[Us] rated supply voltage	24 V DC +/- 20 %
Inrush current	30 A
Local signalling	1 LED (green) for normal operation
Power consumption in W	5 W
Number of pages	Limited by internal memory capacity
Processor frequency	333 MHz
Port Ethernet	10/100BASE-TX
Memory description	Application memory 16 MB Back up of data 128 kB
Integrated connection type	1 USB 2.0 type mini B 1 USB 2.0 type A power supply - removable screw terminal block

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

	1 Ethernet TCP/IP - 1 RJ45
Supply	External source
Realtime clock	Access to the PLC real-time clock
Downloadable protocols	XWAY TCP/IP Modbus TCP/IP Third party protocols
Fixing mode	By 2 spring clips, mounting on 1.6...5 mm thick panel
Enclosure material	PPT
Marking	CE

## Environment

Immunity to microbreaks	3 ms
Standards	FCC Class A UL 1604 UL 508 IEC 61000-6-2 EN 61131-2
Product certifications	UL Class 1 Division 2 T5 C-Tick CE UL Class 1 Division 2 T4A CULus
Ambient air temperature for operation	0...50 °C
Ambient air temperature for storage	-20...60 °C
Relative humidity	0...90 % without condensation
Operating altitude	<= 2000 m
IP degree of protection	IP20 (rear panel) conforming to IEC 60529 IP65 (front panel) conforming to IEC 60529
NEMA degree of protection	NEMA 4X front panel (indoor use)
Shock resistance	15 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	+/- 3.5 mm (f = 5...9 Hz) conforming to IEC 60068-2-6 1 gn (f = 9...150 Hz) conforming to IEC 60068-2-6
Electromagnetic compatibility	Resistance to radiated electromagnetic fields - test level: 10 V/m conforming to IEC 61000-4-3

## Packing Units

Package 1 Weight	0.381 kg
Package 1 Height	85.000 mm
Package 1 width	90.000 mm
Package 1 Length	185.000 mm

## Offer Sustainability

REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
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