<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Main</strong></td>
<td></td>
</tr>
<tr>
<td>Range of product</td>
<td>Harmony STO &amp; STU</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Touch panel screen</td>
</tr>
<tr>
<td>Software designation</td>
<td>Vijeo Designer</td>
</tr>
<tr>
<td>Operating system</td>
<td>Harmony</td>
</tr>
<tr>
<td>Processor name</td>
<td>CPU ARM9</td>
</tr>
</tbody>
</table>

| **Complementary**     |                             |
| Display size          | 5.7 inch                   |
| Display type          | QVGA TFT colour touchscreen|
| Display colour        | 65536 colours              |
| Display resolution    | 320 x 240 pixels QVGA      |
| Touch panel           | Analogue                   |
| Backlight lifespan    | 50000 hours                |
| Brightness            | 16 levels                  |
| Character font        | Taiwanese (traditional Chinese)  
                       | Japanese (ANK, Kanji)      
                       | Chinese (simplified Chinese) 
                       | ASCII                     
                       | Korean                    |
| [Us] rated supply voltage | 24 V DC                  |
| Supply                | External source            |
| Supply voltage limits  | 20.4…28.8 V                |
| Inrush current        | 30 A                       |
| Power consumption in W | 6.8 W                     |
| Number of pages       | Limited by internal memory capacity |
| Processor frequency   | 333 MHz                    |
| Memory description    | Application memory 16 MB   
                       | Back up of data 64 kB      |
| Integrated connection type | 1 USB 2.0 type mini B     
                       | 1 USB 2.0 type A           
                       | COM1 serial link - female RJ45 - RS232C/RS485 (rate: <= 115.2 kbits/s) 
                       | power supply - removable screw terminal block |
| Realtime clock        | Access to the PLC real-time clock |
| Downloadable protocols | Uni-TE                     |
Modbus TCP/IP
Third party protocols
Modbus

Fixing mode
Ø 22 mm hole

Enclosure material
PC/PBT and PAA

Marking
With Schneider logo
CE

Height
129.15 mm

Width
163 mm

Depth
56.5 mm

Environment

Immunity to microbreaks
7 ms

Standards
UL 1604
FCC Class A
IEC 61000-6-2
EN 61131-2
UL 508

Product certifications
UL class 1 Div2 T4A ou T5
C-Tick
CULus
Marine

Ambient air temperature for operation
0…50 °C

Ambient air temperature for storage
-20…60 °C

Relative humidity
0…85 % 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

Resistance to electromagnetic fields
10 V/m conforming to IEC 61000-4-3

Packing Units

Unit Type of Package 1
PCE

Number of Units in Package 1
1

Package 1 Weight
872 g

Package 1 Height
7.2 cm

Package 1 width
18.8 cm

Package 1 Length
26.8 cm

Unit Type of Package 2
S03

Number of Units in Package 2
8

Package 2 Weight
7.6 kg

Package 2 Height
30 cm

Package 2 width
30 cm

Package 2 Length
40 cm

Unit Type of Package 3
P12

Number of Units in Package 3
192

Package 3 Weight
179.5 kg

Package 3 Height
130 cm

Package 3 width
80 cm

Package 3 Length
120 cm

Offer Sustainability

EU RoHS Directive
Pro-active compliance (Product out of EU RoHS legal scope)
<table>
<thead>
<tr>
<th>EU RoHS Declaration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mercury free</td>
</tr>
<tr>
<td>RoHS exemption information</td>
</tr>
<tr>
<td>China RoHS Regulation</td>
</tr>
<tr>
<td>WEEE</td>
</tr>
<tr>
<td></td>
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<tr>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Contractual warranty**

<table>
<thead>
<tr>
<th>Warranty</th>
<th>18 months</th>
</tr>
</thead>
</table>
Display and Rear Modules

Dimensions

(1) Front
(2) Right side
(3) Top
(4) Bottom
(5) Left side
Rear Module

Dimensions

(1) Front
(2) Right Side
Display Module

Dimensions

(1) Front
(2) Right Side
(3) Bottom
(4) Top
(5) Left Side
Clearance

---

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>100</td>
</tr>
<tr>
<td>Height</td>
<td>50</td>
</tr>
<tr>
<td>Depth</td>
<td>30</td>
</tr>
</tbody>
</table>

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Product data sheet
Mounting and Clearance

HMISTU855
## Panel Cut-out Dimensions

<table>
<thead>
<tr>
<th>C (mm)</th>
<th>C (in.)</th>
<th>D (mm)</th>
<th>D (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>+0</td>
<td>+0</td>
<td>+0</td>
<td>+0</td>
</tr>
<tr>
<td>30.00</td>
<td>1.18</td>
<td>4.00</td>
<td>0.15</td>
</tr>
<tr>
<td>-0.20</td>
<td>-0.007</td>
<td>-0.20</td>
<td>-0.007</td>
</tr>
</tbody>
</table>

NOTE: With the tee option, the rotating torque that can be supported by the display module is 6 Nm (53.10 in-lb).