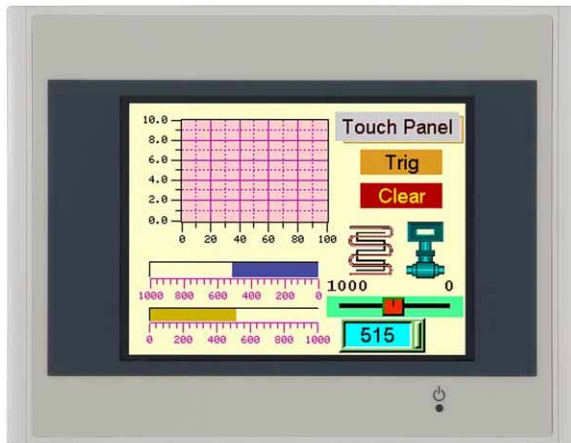# effectiView eV058-TST, eV058-TNT

The effectiView eV058-TST and eV058-TNT are compact HMI panels with a 5.7" TFT display and touchscreen interface. They are the ideal choice for entry-level HMI applications without compromising performance.

- 5.7" TFT color display, 256 colors, LED backlight
- 320x240 pixels
- Resistive touchscreen
- Portrait mode operation
- 10/100 Ethernet interface (eV058-TNT only)
- 4MB user memory

Highlights

effectiView is a family of HMI operator panels offering an excellent price/performance factor; the level of functionality they offer is state-of-the-art for applications in factory and building automation. The eVDesigner software is the programming tool for all eV products.
The powerful simulation module of the eV Designer simplifies development and shortens the development time.

- Efficient and intuitive programming with the eVDesigner software. Powerful project manager workspace with support of multiple applications.
- Ample choice of communication drivers for industrial devices.
- Multiple driver communication capability
- Full vector graphic support with TrueType fonts. Portrait mode operation.
- Display dynamic data in multiple formats: numerical, text, bargraph, slider, gauge and graphic image formats. Multiple image formats supported: bitmap, JPEG and dynamic GIF. Multiple object properties with dynamic control, including visibility and position.
- Pop-up screens and windows.
- Data acquisition and trend presentation. Trend data can be transferred to a host computer.
- Recipe data storage. Recipe data can be transferred to a host computer.

- Multilanguage applications with Unicode support. Up to 10 run-time languages are possible. Application text can be exported/imported for translation.
- Powerful script language with easy-to-use editor. Macro commands can be triggered by touchscreen, events and timers.
- Alarms and historical alarm log. Alarm and event information can be printed or transferred to a host computer.
- Multiple level password protection.
- Data sharing with Ethernet-based network.

Technical Data

Display

Type	TFT
Resolution	320x240 pixel
Active display area	5.7" diagonal
Colors	256
Backlight	LED
Dimming	Yes

Memory

User memory	4MB Flash
System memory	128KB - 1MB RAM with battery back-up

Front panel

Touch screen	Analog resistive
System LED indicators	1

Interfaces

Serial	COM1 RS-232, RS-422, RS-485
	COM2 RS-232, RS-422, RS-485
Ethernet	eV058-TST No
	eV058-TNT 10/100

Functionality

Vector graphics	Yes
Multiple drivers	Yes
Multilanguage	10 online languages max.
Data acquisition and trends	Yes
Recipes	Yes
Alarms	Yes
Event list	Yes
Password	Yes

Hardware RTC	Yes, with battery back-up
Screen saver	Yes
Buzzer	Yes, audible feedback for touch screen

Ratings

Power supply voltage	24 VDC
Current consumption	0.4 A
Weight	Approx 0.6 Kg
Battery	Rechargeable, not user replaceable

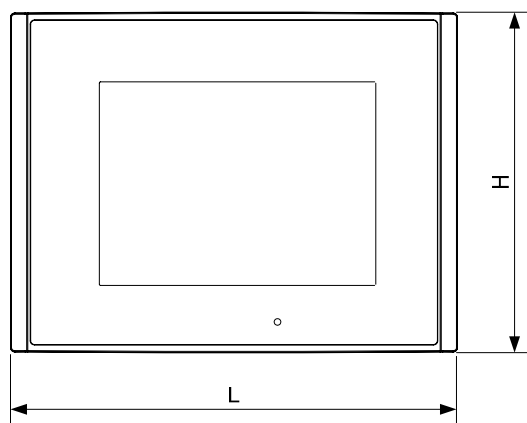**Environmental Conditions**

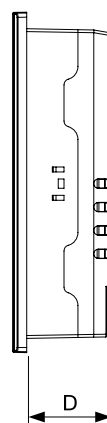|	
Operating temperature	0 to 50 °C
Storage temperature	-20 to +60 °C
Operating and storage humidity	10% – 90 % RH non-condensing
Protection class	IP65 front IP20 rear

Dimensions

Faceplate LxH	186x145 mm
Cutout AxB	174.5x132.5 mm
Mounting depth D	38 mm

Approvals

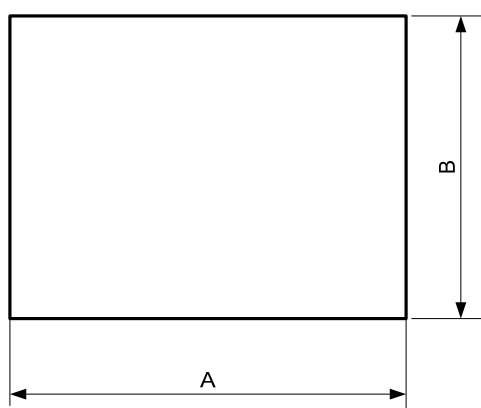|	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments

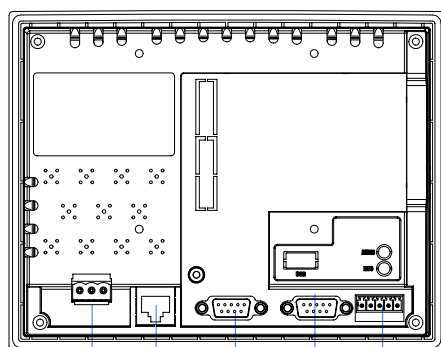Faceplate

Side view

Cut-out

Connections

1   Power Supply
2   Ethernet Port (eV058-TNT only)
3   COM1 Serial Port (RS-232, RS-422, RS-485)
4   COM2 Serial Port (RS-232, RS-485)
5   COM2 Serial Port (RS-422, RS-485)

Ordering Information

eV058-TST-2A	HMI panel, 5.7" TFT display, 320x240 , 256 colors, touchscreen, 4MB user memory, 128KB system memory
eV058-TST-2A-R4	HMI panel, 5.7" TFT display, 320x240 , 256 colors, touchscreen, 4MB user memory, 1MB system memory
eV058-TNT-2A	HMI panel, 5.7" TFT display, 320x240 , 256 colors, touchscreen, 4MB user memory, 128KB system memory, Ethernet interface
eV058-TNT-2A-R4	HMI panel, 5.7" TFT display, 320x240 , 256 colors, touchscreen, 4MB user memory, 1MB system memory, Ethernet interface