



ENDEAVOUR

MASTER CONTROL PANEL

HMI-EZS

7" PANEL MOUNT HMI TOUCH SCREEN CONTROL PANEL COMPATIBLE WITH HEVAC "ENDEAVOUR" TEMPERATURE CONTROLLERS

Features

- CONTROL & MONITOR UP TO 32 ZONE CONTROLLERS
- ZONE AUTO/OFF/ON T/SW. OVERRIDE CONTROL.
- BRIGHT COLOURED LED DISPLAY.
- AUTO ILLUMINATION DIMMING FOR LONG LIFE DISPLAY.
- STANDARD 2 WIRE & SHIELD MODBUS CONNECTION.
- TEMPERATURE, CO2 & MODE STATUS FOR EACH ZONE.
- AUTO FULL BRIGHTNESS ON ANY A/C FAULT.
- ZONE & PANEL IDENTIFIERS PROGRAMMABLE

The Hevac **HMI-EZS** is intended for use in conjunction with Hevac model "ENDEAVOUR" temperature controllers, as a central master status & control station. The HMI panel allows central control of up to 32 (zone) controllers, reads & displays the outside air temperature and each controllers operating mode and zone temperatures (& CO2 if connected). The panel also allows individual controller Auto/Off/On **Time Switch Override** & setting the controllers operating **Temperature Set Point**. Commissioning is extremely simple with hidden setup screens, whilst the user is presented with two operating type screens ..a **master summary** screen showing basic information for all zones on one easy to read colour coded screen & selectable **individual zone screens** for each controller showing zone detail, data & control output for that controller. The master summary screen colour code designed for quick visual checking of the current status of the zone controllers is :- A/C Auto (T/Sw) off "A-OFF" = Grey, A/C HMI manual forced off "M-OFF" = Black, "RCYC" (fan only) = Green, "HEAT"on = Orange, "Econ" {economy cycle damper system open in F/A mode (if fitted) } = pale blue, "COOL"on = blue and a A/C unit in "Fault" mode = red. The panel can be left running in the master summary screen or any of the zone screens. To enhance the LED screen life, the panel dims to half brightness after 10 minutes of no button activity, & blanks to black when all connected A/C units are in their OFF mode. The panel display will automatically return on any A/C start or unit fault.

Technical Data

Electrical Specifications

| | | |
|--|---|-------------|
| Power supply | 12 ~ 24 Volts DC +/- 10% | 150mA@24vDC |
| Display | Auto dimming Coloured LED 7" Touch Screen | |
| Power supply Connections | 2 terminals +V & 0V | |
| Communication RS484 | 3 terminals (2 core + shield) A, B & G(shield) | |
| Battery backed time switch (estimated life 20 years) | | |

Environmental Conditions

| | | |
|-----------------------|---------------------|---|
| Operation | Ambient Temperature | 0...40oC |
| | Humidity | < 85 % RH (NonCondensing) |
| Storage and Transport | Ambient Temperature | -5...60oC |
| | Humidity | < 90 % RH (Non Condensing) |
| Weight | Including Packaging | 370 grams |
| | LED Display Life | Expected ~ Full Brightness ~ 5 years / > 50% ~ 10 years |

| | | |
|---------|----------------------|----------------------------|
| Housing | Bezel Colour | Light Grey |
| | Material | 3D PRINTED POLYCARB. |
| | UV Stabilised | YES |
| | Product Size | H 130mm x W 205mm x D 25mm |
| | Panel Cutout | H 116mm x W 190mm |
| | Mounting Method | 4 x Panel Clamping bolts |
| | Max. Panel Thickness | 7mm |

