

20 LIGHT ANNUNCIATOR MODULE FOR RS485 AND 20 INPUT TERMINALS WITH PROGRAMMABLE LEDS

The AM120 allows OEMS to build their own systems using input terminals for direct connection input to the lamps or allowing simultaneously or independently RS485 communication to operate the lamps also. Uses an external host program for adjustments.

ECU – AM120

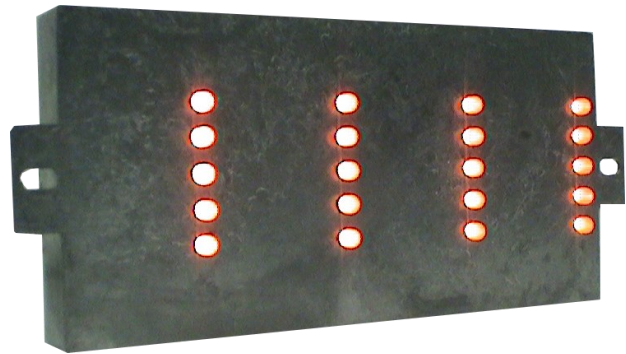
ONE VERSION FOR
12 AND 24 VDC

APPLICATIONS: Any Engine System or PLC type controller

FEATURES:

Available 1st quarter 2016

- Can be programmed directly from 8XX controller if using just Modbus RS485
- Lamp Horn Test input terminal
- Lamps can be red, green or amber plus a flashing option
- Rugged and reliable
- Epoxy encapsulated
- Can run on same bus as Gauge Panel on 8XX units
- 20 inputs some ground/positive option
- RS-485 communication interface
- Relay output Normally Open Contacts
2Amp 30 Volts DC



A full 20 lamp annunciator module for direct or RS485 ModBus

Using a desktop or laptop program the unit can be configured for a given terminal to have any of three colors, horn and flashing options.

External horn relay contacts 2 amps at 30 volts DC included. There is a terminal for external Lamp Test/Alarm Silence also. Units can be ordered with RS232 modem interfaces for possible use with Telematics system interfaces.

The RS-485 Modbus master connection enables robust communication with other devices. Distances up to several thousand feet can be reliably attained using twisted shielded cable.

There are 20 discrete input terminals. Units also can have the internal voltage detector armed to lamp instead of a terminal input. Some inputs have High and Grounded options. Depending on the Source impedance some analog input may be possible. Please discuss with our Engineering Support if this is a requirement.

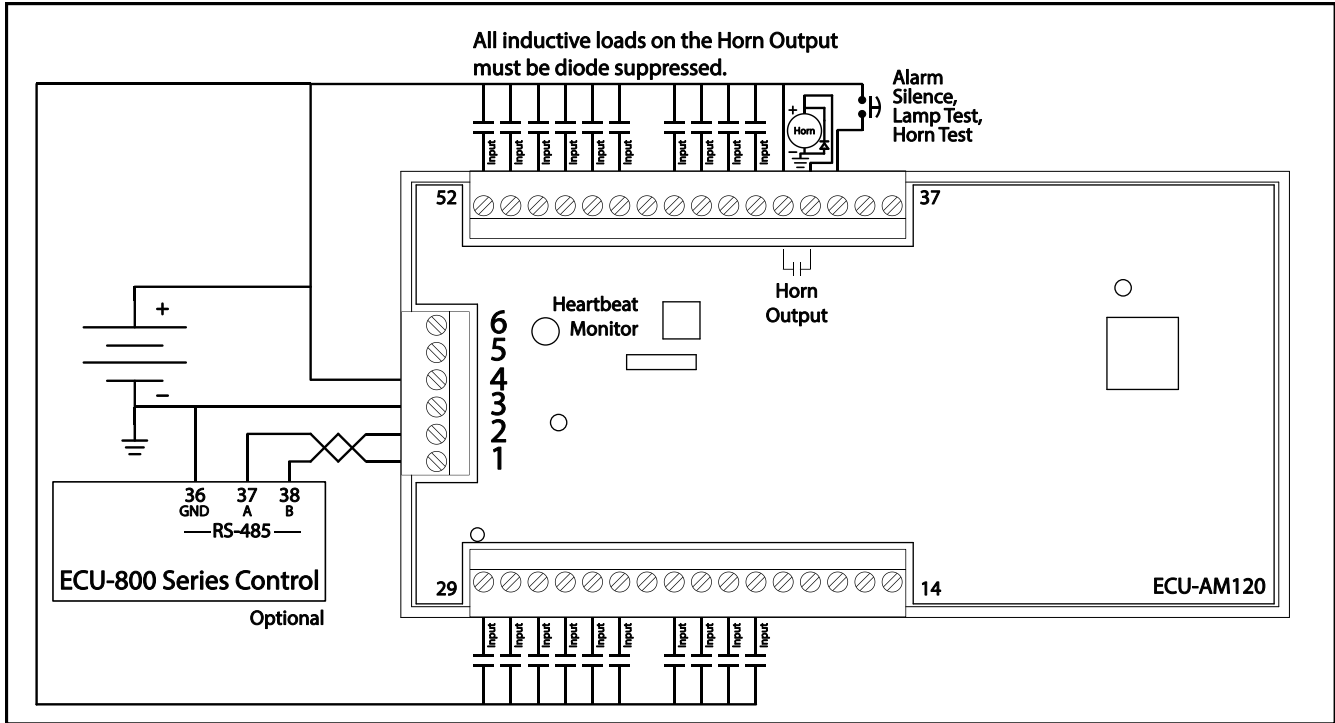
Unit has a Zinc casting and fully encapsulated.

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SAMPLE ECU-AM120 APPLICATION:
EXTERNAL SWITCH TYPE PANEL CONFIGURATION WITH RS485



The above connection diagram is a typical multi input system using both Switches and possible RS485 Modbus input at the same time. If external 485 inputs are used some switch inputs would have to be removed since there are only 20 lamps total. As long as the unit is operating Heartbeat monitor led will blink. There is an option for a front panel lamp to indicate flashing meaning unit is communicating with external RS485 device. On the AM120 you must supply the indicated Horn and Alarm Silence/LampTest Switch. Horn must be diode suppressed.

SPECIFICATIONS:

INPUT VOLTAGE:	9 TO 30	V _{DC}
HORN OUTPUT RELAY:	2	A MAX
OPERATIONAL TEMPERATURE:	-40 TO 85 °C (OPERATIONAL)	

ECU[®] -AM120 TERMINAL OUT

Please see the above application for terminal output specification.

MODULE PHYSICAL DIMENSIONS

Module outside dimensions are approximately 7.5 x 3.250. Drawing will be released soon for LED locations. Behind Panel depth is 1.5 inches max including terminals.

ORDERING INFORMATION:

ORDER BY SPECIFYING: ECU-AM120

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