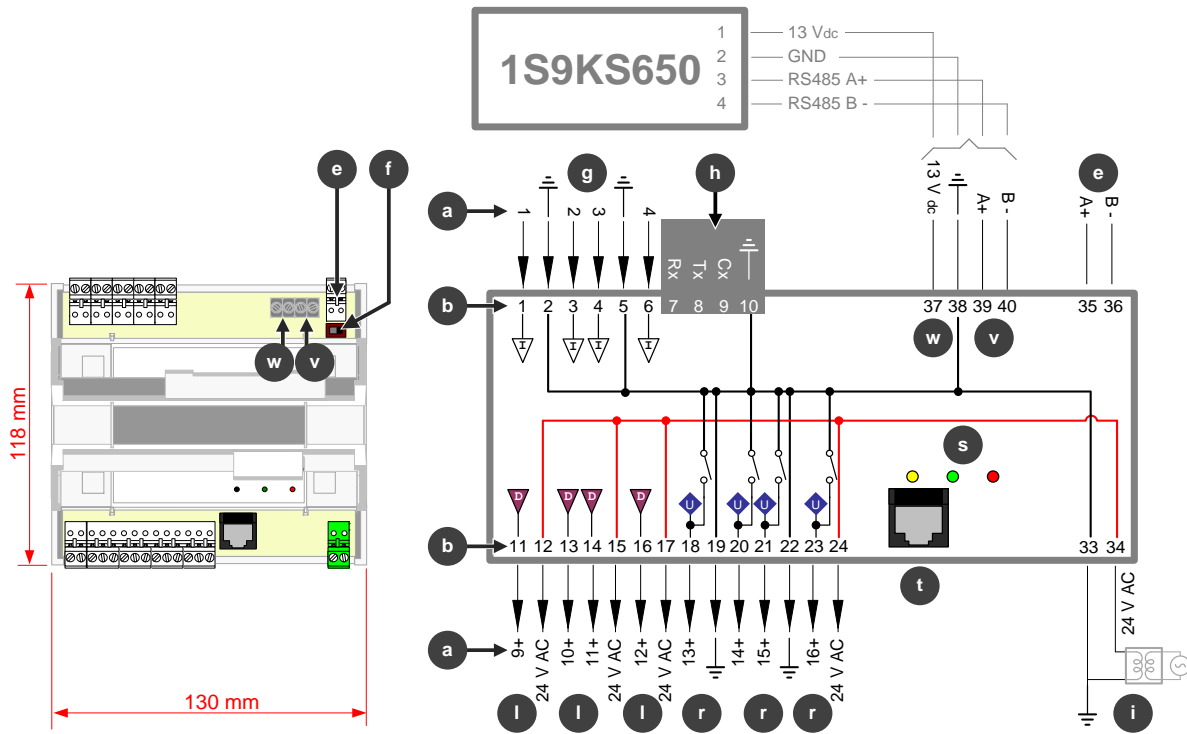


CBT, UCU32 BACnet



Note: Terminals 12, 15, 17, and 24 are connected internally. When a controller is powered, 24 V AC is available for low current devices at terminals 12, 15, 17 and 24. The total combined current must be less than 1.8 A.



CAUTION - DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER. DISPOSE OF USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.



Common



Unused terminal



Point Numbers



Terminal Numbers



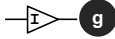
BACnet MS/TP Port

Important: In order for the BACnet MS/TP bus to operate reliably, the common power connection (terminal 33) must be connected to Earth. Cylon recommend that this is done at the 24 V AC transformer.



Fieldbus Terminator

- ON
(fieldbus terminated at this controller)
- OFF
(fieldbus not terminated at this controller)



Universal Input



Service Port (screw terminal)

Note: Service Port must not be connected until after the device is powered on.



Power 24 V AC

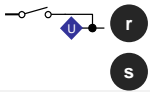
Important: Earth this controller by connecting the common wire (G₀) on the secondary side of the 24 V AC transformer to Earth at one point.



Digital Outputs



Airflow Sensor



UniPut™ + Triac

Indicator LEDs



Red LED

Continuous: Optional battery is healthy.
Flash once a second: Indicates no battery/battery is low.
Note: *battery is present only on custom versions.*



Green LED

Continuous: Strategy servicing and no comms.
Flash rapidly (every 100ms): Strategy not servicing.
Flash once a second: MSTP comms, and Strategy servicing.
Note: *when Service Port is in use, the Green LED blinks off as Service Port comms are received.*



Yellow LED

Off: Normal operation.
On: Priority Array set above 16, for one or more Hardware Points, by external BACnet Client or by the CEC.



Cycle left to right (Yellow - Green - Red):

Controller is in terminal mode.



Cycle right to left (Red - Green - Yellow):

Upgrade in progress while Controller is in terminal mode
Note: *The strategy is not serviced while in upgrade mode.*



Cycle green to yellow

Globals communication/setup problem



Green and yellow flash simultaneously

Globals communication/setup problem **and** Priority Array is set above 16 by external BACnet Client, or by the CEC.



Service Port (RJ-45)

Note: Service Port must not be connected until after the device is powered on.



Room Display RS485



Room Display Power supply

AAM Part No: 1E-01-00-0073



American Auto-Matrix
One Technology Lane
Export, PA 15632
(724) 733-2000

aam@aamatrix.com
www.aamatrix.com

This document must not be copied in part or in whole for any purpose other than that which it was intended, and does not constitute any warranty, expressed or implied. Every effort has been made to ensure that all information was correct at the time of publication. Should a variation in information or data between the English version and translated versions of this document occur, the English variant takes precedence. AAM reserves the right to alter the specifications, performance, capabilities, and presentation of this product at any time. Appropriate safety precautions must always be taken when operating or maintaining equipment connected to any American Auto-Matrix product, licensed materials, or hardware. AAM assumes no responsibility or liability for any injuries or damage to any persons or property resulting from the use of these products. As always, these products should be used in the manner they are intended. Modbus, Modbus RTU, and Modbus TCP/IP are registered trademarks of Schneider Electric. Java, JavaScript, and MySQL are either registered trademarks or trademarks of Oracle Corporation in the United States and other countries. Microsoft, and Windows are either registered trademarks or trademarks of Microsoft. Intel and Intel-VT are either registered trademarks or trademarks of the Intel Corporation. BACnet and BACnet International are registered trademarks of ASHRAE. American Auto-Matrix, Smart Building Solutions, the Rocket-A, Aspect, Aspect-Enterprise, Aspect-Nexus, Aspect-Facility, Aspect-Matrix MAX, Aspect-eSC MAX, Aspect-Studio, and vSTAT are either registered trademarks or trademarks of American Auto-Matrix.