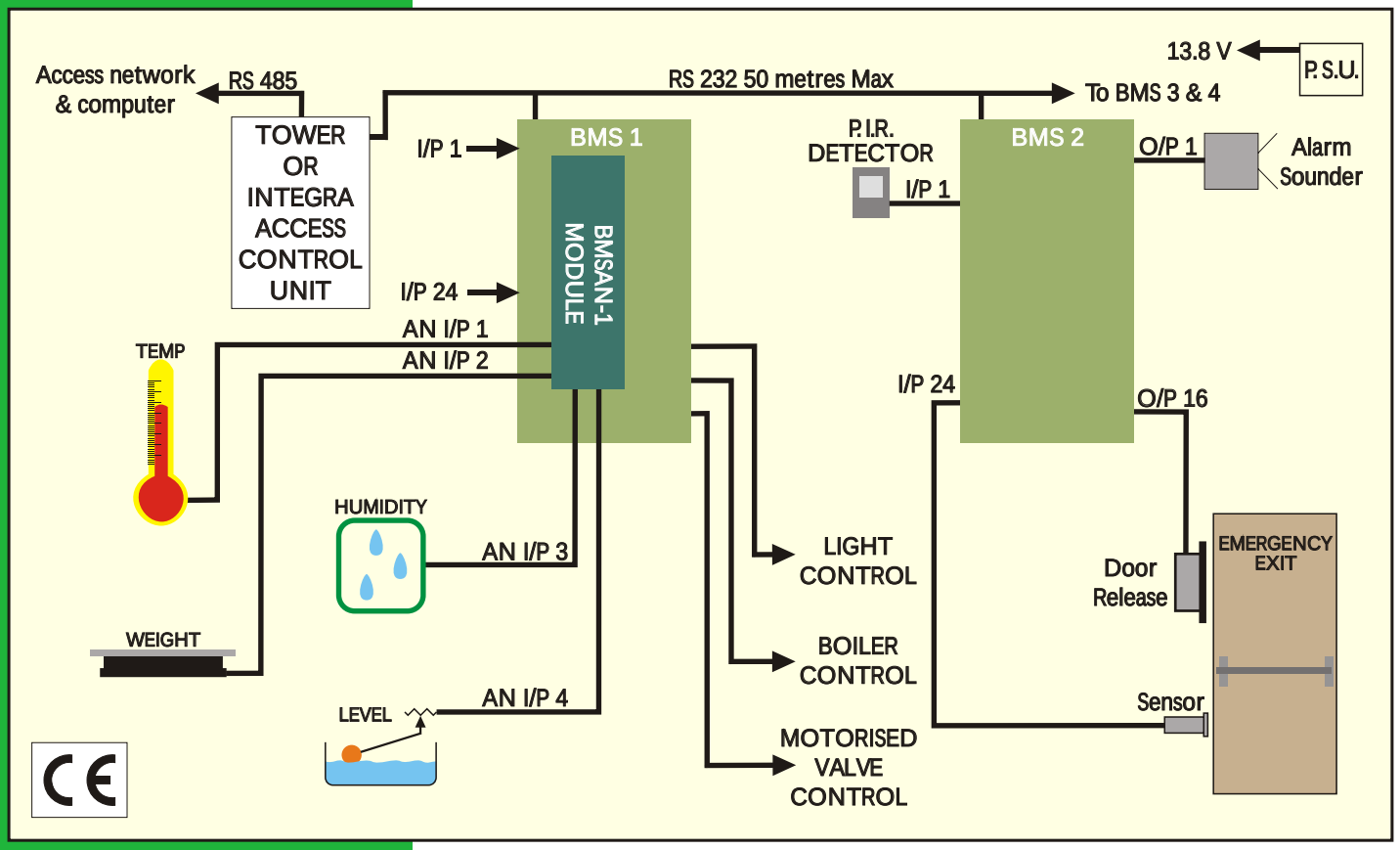
BMS

Modular Building Management System

for

Tower and Integra Access Systems



- 24 PROGRAMMABLE INPUT CHANNELS
- 16 RELAY CONTROLLED OUTPUT CHANNELS
- EIGHT CHANNEL ANALOGUE INPUT OPTION
- BUILT IN LIFT CONTROL FOR UP TO 60 FLOORS
- USED WITH TOWER AND INTEGRA ACCESS SYSTEMS
- FLEXIBLE BUILDING BLOCK APPROACH
- TOWER VERSION BOXED WITH BATTERY AND 2 AMP SUPPLY
- MONITORED INPUT OPTION PROVIDING 12 INPUTS
- UP TO 4 UNITS (96 INPUTS) PER ACCESS CONTROL UNIT
- WINTACS SOFTWARE WITH BUILDING MANAGEMENT

The Building Management System panels can be used in conjunction with any of the I.E.T. Tower or Integra access control system ranges. This allows an existing user to take advantage of the Access Control Network to provide additional building control, energy monitoring and other control functions.

The panel provides additional alarm monitoring inputs and control outputs for the system for PIR detectors and emergency doors etc.

A lift control mode is also included for restricted access to designated floors for specific card holders.

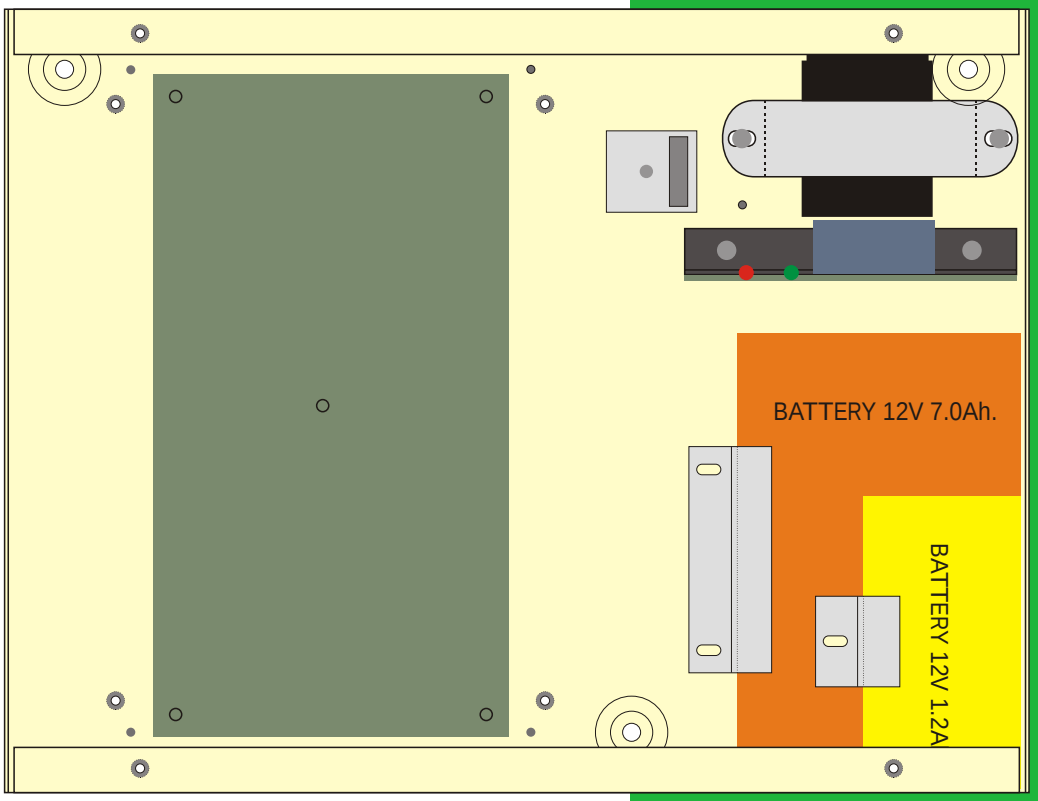
B.M.S. panels are available in board form for inclusion in an Integra card frame or as a separate packaged unit with backup battery and power supply. Up to 1.5 amps at 13.8 volts is available to supply door locks or other units if required in the latter case.

Input status information is provided by 24 LED indicators - one for each input channel. A further 2 LEDs are provided for monitoring the data communication channels.

The communication channel consists of an RS232 serial data bus which permits up to four BMS panels to be attached to each ACU. Unit address is set by a 2 way DIL switch on the panel.

Programming is done via the attached Access Control Unit's keypad or remotely from the system computer.

GENERAL TECHNICAL DATA



PLUG-IN MODULE OPTIONS

BMSAN - 1 Eight channel analogue input module with adjustable gain and offset voltages.

BMSIP - 1 Converts inputs to 12 channels with threshold monitoring for anti-tamper applications.

Please contact our sales office for additional details on these and other modules in the range.

BMSBOX (Cased with PSU)

DIMENSIONS
340 mm wide x 260 mm high x 75 mm deep

WEIGHT
BMSBOX-1 (Including battery) 4.1Kg.
BMSBOX-7 (Including battery) 6.1Kg.

POWER REQUIREMENTS
Input: 210 - 250V ac, 40 - 70Hz @ 50VA. Output: 1.5Amps @ 13.8 V dc (typical).

CABLE ENTRY
Via 20mm knockouts. 3 on the top surface and 3 on the lower surface. Mains termination via 3 way fused terminal block inside unit.

INTERNAL BATTERY
BMSBOX - 1 fitted with 12V, 1.2Ah. BMSBOX - 7 fitted with 12V, 7Ah sealed lead acid battery.

CURRENT PROTECTION
Charger protected by electronic shut down. Battery protected by fuse in case of accidental short circuit.

POWER STATUS INDICATION
Via two front panel L.E.D.'s. Green (Power on), Red (mains failure and/or overload fault). The fault output is also available for connection to the BMS panel for remote monitoring.

MOUNTING POSITION
Any using the three internal 4mm fixing holes.

TAMPER ALARM
A Hall Effect magnetic tamper sensor is fitted and can be wired to any spare BMS panel input for remote monitoring.

BMSINT (Circuit Board only)

DIMENSIONS - 118 mm wide x 220 mm high x 30 mm deep.

WEIGHT - 0.26 Kg.

POWER REQUIREMENTS
Input voltage 11 - 18V DC stabilised. Input current 20 ma. (no relays activated) to 500 ma. (all relays activated).

INPUTS
24 protected inputs with 1 ma. pullups to +5V. All with common ground. Programmable for inversion, edge sensitive monitoring and alarm generation.

OUTPUTS
16 x Fully floating relay contacts rated at 2 A 30V DC, 0.4 A at 125V AC. Programmable for multiple Access Group activation (up to 64 per relay).
Each relay can be programmed for normal or inverted state and respond to its activation in one of four modes :-

1) To follow the activation directly
2) Change to alternate state on activation
3) Give momentary timed operation (programmable on time)
4) Start oscillating (with programmable on and off times)

COMMUNICATIONS
Via RS232 2 wire shielded data cable local bus.
A maximum of four units may be connected. Unit address is set by on board DIL switches.
Maximum cable length = 50 metres.
Data rate = 9600 baud.

Supplied by:

For further information please contact our sales office

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