

Securitex Marines Specialist Equipment Design Division



Securitex Deadman Alarm MCU

The Securitex Deadman alarm system was developed to ensure that engineers, technician and crew working alone or as a group in remote area like, bridge, engine room, boiler room and even monitoring certain equipment in ship and vessel to constantly call back the control room to inform the officer on duty that he is well. The MASTER Control Unit [MCU] will at a preset time trigger an alarm that requires the personnel [working crew] on duty to reset thus indicated that he is well, if this activate alarm is not acknowledge after a preset time say 10 minute, the second alarm will be set off at the officer control room. When this second alarm triggers, normally it indicated that something might have happen at the area of work that will requires immediate attention by the senior officer in-charge.

The Securitex Deadman alarm system consist of the following

- a. DMAS Master control unit c/w 1 built-in reset switch with light and 1 unit siren locator buzzer with light when activated.
- b. 1 unit primary motor horn siren
- c. 1 unit secondary motor horn siren
- d. 2 units remote location reset switch

Operation

By default the system is preset at 15 minute for the first alarm, if at anytime the reset button is push. The system will reset to 15 minute again. However if the first alarm is not acknowledge the MCU will give out a buzzer sound continuously together with the primary siren. This will go on for another 10 minute and than the secondary siren will activate. To deactivate the siren the officer have to press the reset switch on the MCU or any reset switch that is integrated on the MCU and both alarm will goes off. The cycle will than repeat again.....

Technical Specifications for the Securitex MCU (Securitex DMAS Series A110/24.238.2006.V1)		
Description	Specification	Application
Supply voltage (Switching Power supply)	110VAC	
Supply current	40mA to 80mA	
Relay 1	24VDC	For baby siren (Primary siren)
Relay 2	24VDC	For Master siren (Secondary siren)
Relay switching capability	Up to 28VDC and 12Amp	Option for dry contact by jumper
Relay 1 & 2 activated output (Voltage)	24VDC	
Reset button 1	Fitted on the DMAS	Reset button provided on system.
Reset button 2	Connector provided (only)	Not provided
Reset button 3	Connector provided (only)	Not provided
Gross Dimension of DMAS	250mm X 175mm X 75mm	

Securitex Deadman alarm system is fully programmable

We specialize in the design, supply and install of enterprise customized security system for ships, vessel, ocean liners and supertankers etc.

Securitex Electronic Systems Engineering

Block 9010 Tampines St 93 #04-145 Tampines Industrial Park A Singapore 528844

Tel: 65-67852171 Fax: 65-67863351 <http://www.securitex.com.sg>