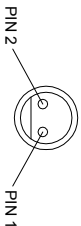


**VIEW A**

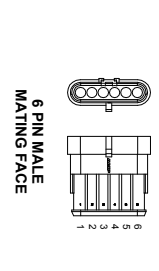


PIN#	WIRE COLOUR	DESCRIPTION
1	BLACK	GND
2	RED	SENSOR SIGNAL

**2 PIN FEMALE MATING FACE**

CHANGES FROM BASE PRODUCT BS-400W-ECU (3745) TO BS-400W(AMP)-ECU (4445)  
 CHANGE:  
 1. REDUCE CABLE LENGTH OF UDS-15BC (SUPPLIED) (FEMALE END) TO 1.5M INCLUSIVE OF CONNECTORS (TO TOLERANCES SHOWN).  
 2. AMP CONNECTOR PARTS ADDED  
 3. BS-400W(AMP) PD-LBL AFFIXED OVER EXISTING PD-LBL

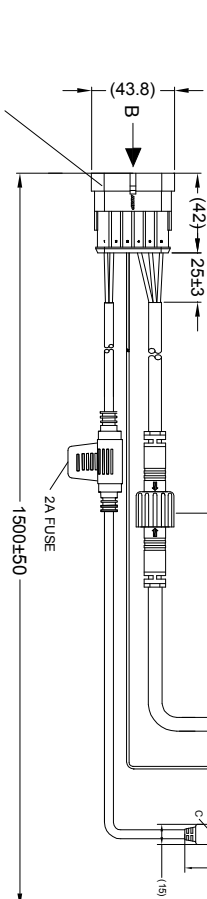
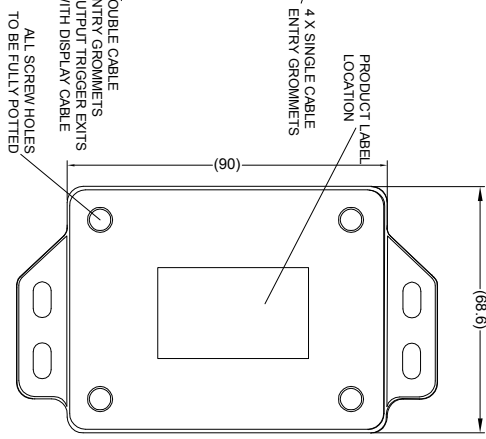
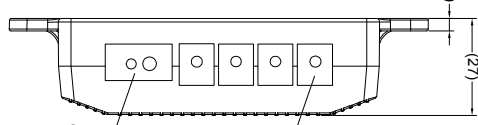
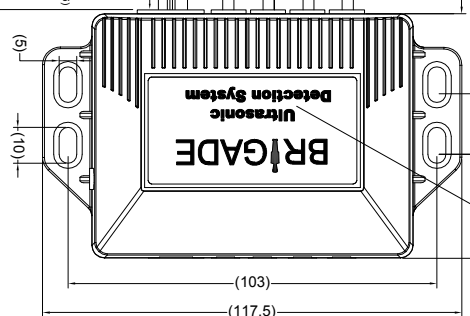
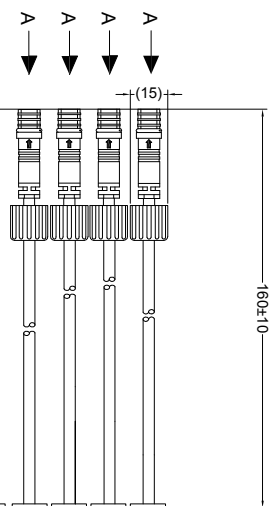
OPERATION: SAME AS BASE PRODUCT



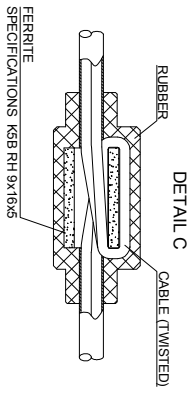
**6 PIN MALE MATING FACE**

PIN#	WIRE COLOUR	DESCRIPTION
1	RED	12VAV (POWER)
2	BLACK	GND (POWER)
3	BLACK	SWITCHED GND
4	RED	12VAV (DISP/AVBUZZER)
5	WHITE	SIGNAL (DISP/AVBUZZER)
6	BLACK	GND (DISP/AVBUZZER)

**VIEW B**

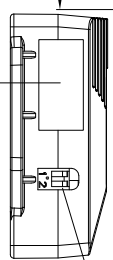


AMP SUPERSEAL CONNECTOR HOUSING (X1) - PIN 28/108-1 TERMINALS (X6) - PIN 83/08-1 SEALS (X6) - PIN 28/1934-4

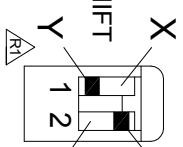


**DETAIL C**

RUBBER  
 CABLE (TWISTED)  
 FERRITE  
 SPECIFICATIONS: K56 RH 9x16x5



DIP SWITCH LOCATION COVERED BY RUBBER GROMMET



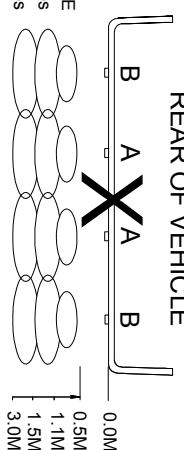
**DETECTION SHIFT**

SENSORS B  
 0.6m

8 fps & CONSTANT TONE  
 4 fps & 4 bps  
 1 fps & 1 bps

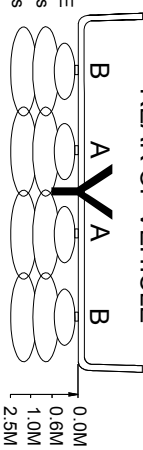
**DIP SWITCH CONFIGURATION**

8 fps & CONSTANT TONE  
 4 fps & 4 bps  
 1 fps & 1 bps



**REAR OF VEHICLE**

**REAR OF VEHICLE**



- NOTES:**
- WHEN THE SYSTEM IS POWERED BUT NOT DETECTING THE LED WILL REMAIN GREEN. (NO START UP BEEP)
  - ALL AUDIBLE WARNINGS ARE MEASURED IN BEEPS PER SECOND (bps).
  - ALL VISUAL WARNINGS ARE RED AND ARE MEASURED IN FLASHES PER SECOND (fps).
  - THE SELF DIAGNOSTIC FUNCTION, (ON START-UP) WILL BEEP ONCE FOR ONE FAULTY SENSOR, TWICE FOR TWO FAULTY SENSORS ETC...
  - DIP SWITCH 1 SWITCHES DETECTION BETWEEN (X & Y). DEFAULT POSITION IS Y.
  - (HOWEVER THE UDS-DISPLAYS RANGE WILL ALWAYS SHOW 0.0 - 2.5m)
  - DIP SWITCH 2 SWITCHES OUTER SENSORS BETWEEN 0.6M & 2.5M. DEFAULT POSITION IS 2.5M.
  - THE ECU IS FULLY POTTED.
  - GROUND OUTPUT ON BLACK WIRE OPERATES DURING DETECTION. (MAXIMUM CURRENT 250mA)
  - SOFTWARE VERSION: PCB-10015-00.
  - FOR PRODUCT LABEL REFER TO LATEST REVISION OF DRAWING BE-002517-XX-13.
  - ANY CUSTOMER MODIFICATION OF THIS PRODUCT CAUSING SUBSEQUENT FAILURE IS NOT A LIABILITY OF BRIGADE ELECTRONICS PLC.

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 www.brigade-electronics.com

Customer Approval D.ROBERTSON 20/12/13	Assembly PI Approval S.ATTWOOD	Approved by S.MATTHEWS	Checked by B.CHILDS	Released 02/01/14	Drawn by P.MISSEN
Angle of Projection Third Angle	Status RELEASED	Units mm	Scale N/A	Released 02/01/14	Part No 4445
	BS-4000W(AMP)-ECU				BE-002515-01-13

**Revision Notes**

R1 - UPDATED SOFTWARE VERSION REFERENCE ECR - CR-A322 UPDATED DIP SWITCH POSITION REFERENCE ECR - CR-A222	Drawn/MP	Checked/AB	Approved/BC	Date: 19/12/14
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