ENTRYPASS

EP.HIO

EntryPass Compliance Sheet

SPECIFICATION FOR ARCHITECTS, CONSULTANTS AND
ENGINEERS (PHASE1 – V1.00)

ITEM	DESCRIPTION	TENDERER'S DATA & COMPLIANCE

General Specification:

ITEM	DESCRIPTION	TENDERER'S DATA & COMPLIANCE
Manufacturer	EntryPass	
Country of manufacturer	Malaysia	
Model	EP.HIO	
MCU model	Freescale	
MCU Bit	32-bit	
Operating frequency	50 MHz	
Flash	256k byte	
RAM type	Flash memory	
RAM capacity	32k byte	
Storage Flash	16M bit	
EEPROM capacity	2k bit	
Onboard watchdog	YES	
Digital input	YES (8 / 16)	
Relay Output	YES (8 / 16)	
Real time clock	YES	
Battery back-up for RTC	YES (3V)	
Operating temperature	0 °C to 40 °C	
Transaction capacity	20000 transactions	
Communication type	TCP/IP / Serial	
Serial Communication	RS485 (2) & RS232 (1)	
Communication Protocol	MODBUS Serial / MODBUS TCP	

MODBUS mode	Serial slave, TCP slave	
	Or TCP active	_____
Active transmit transaction	YES	_____
Built-in web server	YES	_____
Upgradable firmware via built-in web server	YES	_____
Wizard based configuration	YES	_____
Input open trigger or close trigger selection	YES	_____
Input type	Digital Input	_____
Input configurable to 'either point triggered' or 'all point triggered'	YES	_____
Relay output with NC or NO selection	YES	_____
Output configurable to toggle or alarm mode	YES	_____
Unit address	YES (1-31)	_____

Protection:

Reverse polarity protection	YES	_____
Surge protection	YES	_____
Forward Surge Current	100A	_____
Suppressors peak power	600W	_____
Resetable fuse	YES (2.5A)	_____
Communication protection	YES (1A)	_____

Power Specification:

Input voltage   12VDC

Current consumption   ~300mA

Power Supply Unit:

Model   SMPS 300

Input voltage   230VAC

Output voltage   13.2VDC

Maximum output current   3A

Regulated output   YES

Voltage low cut-off   YES

Voltage low cut-off
 threshold   10VDC

Restoration threshold   12VDC

Battery charging terminals   YES (12VDC 7AH)

Fuse protection   YES (AC input and DC

On board ON/OFF switch   YES

Physical Dimension And Weight Measurement:

a) HIO (Hybrid Input Output Controller)

Dimension (W x L)	161mm x 120mm	
Weight (PCB only)	400g	

b) Casing

Dimension (W x L x H)	289mm x 309mm x 85mm	
Weight	1040g	
Weight (With power supply unit)	1400g	
Casing material	ABS	

Visual Indicator

Error LED	YES	
Power LED	YES	
Network LED	YES	
Heartbeat LED	YES	
Relay trigger LED	YES	
Input trigger LED	YES	
Communication LED	YES	

Other Specification:

Type of usage	PC link-up (Controller To PC)	
Controller type of mode	8-in, 8-out / 16-in, 16-out	
Time set	255	
Time zone	255	
Output triggers duration	99 seconds (max)	