KISS BOX – DO4-SR (Digital Output 4 channel – Standard Relay) – R6.5.--

1. Editor Specific commands MPC > I/O Card

Command		Answer	
$30	Upload setting		No
$31	Info Request	$32	Info return
$33	Monitoring request	$34	Monitoring return

UPLOAD SETTING

$30
SL: Slot # ($00 to $02 for BOX I/O3 and $00 to $07 for BOX I/O8)
WG: $00= Watchdog OFF, $01= Watchdog ON
TI: $00= 1mS, $01= 10mS, $02= 100mS, $03= 1S, $04= 10S
EM: $00= No Message Error to sent, $01= sent Message Error

Error Message to sent (for more details see the Generic specifications):
$17
IP1 IP2 IP3 IP4   IP Address
SL: Slot # ($00 to $02 for BOX I/O3 and $00 to $07 for BOX I/O8)
PL: Priority Level $01= medium
ME: $06= Out of Range
T1 T2: $00, $01
H0 ... H127:   "Watchdog Out of Range"

No command should be issued to the card during 10mS. After sending this command, to allow the I/O Board to program its EEPROM

INFO REQUEST

$31
SL: Slot # ($00 to $02 for BOX I/O3 and $00 to $07 for BOX I/O8)

MONITORING REQUEST

$33
SL: Slot # ($00 to $02 for BOX I/O3 and $00 to $07 for BOX I/O8)

Maximum request: 10 times / second

2. Editor Specific commands I/O Card > MPC

Command		Answer
$32	Info return	No
$34	Monitor return	No

INFO RETURN

$32
SL: Slot # ($00 to $02 for BOX I/O3 and $00 to $07 for BOX I/O8)
WG: $00= Watchdog OFF, $01= Watchdog ON
TI: $00= 10mS, $01= 20mS, $02= 100mS, $03= 200mS, $04= 1S, $04= 2S, $05= 10S, $06= 20S
ME: $00= No message, $01= sent message

MONITORING RETURN

$34
SL: Slot # ($00 to $02 for BOX I/O3 and $00 to $07 for BOX I/O8)
V1 ... V4   Relay 1 to Relay 4 ($00= Low, $01= High)

Send by the box upon reception of Monitoring request command

3. User Specific commands MPC > I/O Card

	Command		Answer
$A0	Read all channel Value	$A1	All channel Value return
$A2	Read single channel Value	$A3	Single channel Value return
$A4	Write all channel Value		No
$A5	Write single channel Value		No
$A6	Read all channel Value (UDP Broadcast)	$A7	All channel Value return (UDP Broadcast)
$A8	Write all channel Value (UDP Broadcast)		No

READ ALL CHANNEL VALUE

$A0
SL: Slot # ($00 to $02 for BOX I/O3 and $00 to $07 for BOX I/O8)

READ SINGLE CHANNEL VALUE

$A2
SL: Slot # ($00 to $02 for BOX I/O3 and $00 to $07 for BOX I/O8)
CH   Relay # ($00 to $03)

WRITE ALL CHANNNEL VALUE

$A4
SL: Slot # ($00 to $02 for BOX I/O3 and $00 to $07 for BOX I/O8)
V1 ... V4   Relay 1 to Relay 4 value ($00= Low, $01= High)

WRITE SINGLE CHANNNEL VALUE

$A5
SL: Slot # ($00 to $02 for BOX I/O3 and $00 to $07 for BOX I/O8)
CH   Relay # ($00 to $03)
VA   Value ($00= Low, $01= High)

READ ALL CHANNEL VALUE (UDP Broadcast)

$A6
SL: Slot # ($00 to $02 for BOX I/O3 and $00 to $07 for BOX I/O8)

WRITE ALL CHANNNEL VALUE (UDP Broadcast)

$A8
SL: Slot # ($00 to $02 for BOX I/O3 and $00 to $07 for BOX I/O8)
V1 ... V4   Relay 1 to Relay 4 value ($00= Low, $01= High)

2. User Specific commands I/O Card > MPC

	Command		Answer
$A1	All channel Value return		
$A3	Single channel Value return		
$A7	All channel Value return (UDP Broadcast)		

ALL CHANNEL VALUE RETURN

$A1
SL: Slot # ($00 to $02 for BOX I/O3 and $00 to $07 for BOX I/O8)
V1 ... V4   Relay 1 to Relay 4 value ($00= Low, $01= High)

SINGLE CHANNEL VALUE RETURN
$A3
SL: Slot # ($00 to $02 for BOX I/O3 and $00 to $07 for BOX I/O8)
CH   Relay # ($00 to $03)
VA   Value ($00= Low, $01= High)

ALL CHANNEL VALUE RETURN (UDP Broadcast)
$A7
SL: Slot # ($00 to $02 for BOX I/O3 and $00 to $07 for BOX I/O8)
V1 ... V4   Relay 1 to Relay 4 value ($00= Low, $01= High)

3. Editor Program

Default Value to displayed:
Watchdog: Yes
Time: 1 Sec.
Sent Error Message: Yes