

FUTRONI2.AXS  
PROGRAM\_NAME='futronix Rob ver 1.2'  
(\* DATE:03/11/02 TIME:20:38:01 \*)  
(\*{{PS\_SOURCE\_INFO(PROGRAM STATS) \*)  
(\* \*\*\*\*\* \*)  
(\* FILE CREATED ON: 03/22/2001 AT: 11:04:00 \*)  
(\* \*\*\*\*\* \*)  
(\* FILE\_LAST\_MODIFIED\_ON: 03/11/2002 AT: 13:47:30 \*)  
(\* \*\*\*\*\* \*)  
(\* ORPHAN\_FILE\_PLATFORM: 0 \*)  
(\* \*\*\*\*\* \*)  
(\*!!FILE REVISION: Rev 0 \*)  
(\* REVISION DATE: 03/11/2002 \*)  
(\* \*)  
(\* COMMENTS: \*)  
(\* \*)  
(\* \*\*\*\*\* \*)  
(\*!!FILE REVISION: Rev 0 \*)  
(\* REVISION DATE: 03/22/2001 \*)  
(\* \*)  
(\* COMMENTS: Futronix Dimmer Control \*)  
(\* \*)  
(\* \*)  
(\* \*)  
(\* \*\*\*\*\* \*)  
(\*}}PS\_SOURCE\_INFO \*)  
(\* \*\*\*\*\* \*)  
(\* \*\*\*\*\* \*)  
(\* System Type : \*)  
(\* \*\*\*\*\* \*)  
(\* \*\*\*\*\* \*)  
(\* DEVICE NUMBER DEFINITIONS GO BELOW \*)  
(\* \*\*\*\*\* \*)  
DEFINE\_DEVICE  
DIMMER = 1 (\* RS232 DIMMER \*)  
TP = 129  
(\* \*\*\*\*\* \*)  
(\* CONSTANT DEFINITIONS GO BELOW \*)  
(\* \*\*\*\*\* \*)  
DEFINE\_CONSTANT  
(\* \*\*\*\*\* \*)  
(\* VARIABLE DEFINITIONS GO BELOW \*)  
(\* \*\*\*\*\* \*)  
DEFINE\_VARIABLE  
FUTRONIXBUF[100]  
(\* \*\*\*\*\* \*)  
(\* LATCHING DEFINITIONS GO BELOW \*)  
(\* \*\*\*\*\* \*)  
DEFINE\_LATCHING  
(\* \*\*\*\*\* \*)

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(* MUTUALLY EXCLUSIVE DEFINITIONS GO BELOW *)
(*****)
DEFINE_MUTUALLY_EXCLUSIVE
(*****)
(* SUBROUTINE DEFINITIONS GO BELOW *)
(*****)
DEFINE_CALL 'FUTR SEND' (TXBUF[64])
LOCAL_VAR
CTR (* A COUNTER FOR LOOPS *)
CHKSUM (* THE PACKET CHECKSUM *)
TXLEN (* THE LENGTH OF THE STRING TO TRANSMIT *)
TXOUT[255] (* THE STRING TO SEND OUT *)
UC
LC
{
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FUTRONI2.AXS
TXLEN=LENGTH_STRING(TXBUF)
CHKSUM=0
CTR=0
WHILE (CTR<TXLEN)
{
CHKSUM=(CHKSUM+TXBUF[CTR+1]) BAND 255
CTR=CTR+1
}
TXBUF[TXLEN+1]=256-CHKSUM
TXOUT='#'
CTR=0
WHILE (CTR<(TXLEN+1))
{
LC=TXBUF[CTR+1]
UC=LC
LC=LC BAND $0F
UC=UC BAND $F0
UC=UC/$10
TXOUT="TXOUT,ITOHX(UC),ITOHX(LC)"
CTR=CTR+1
}
TXOUT="TXOUT,':"
SEND_STRING 0,"TXLEN+3 = ',ITOA(TXLEN+3),' STRLEN =
',ITOA(LENGTH_STRING(TXOUT)),' CHKSUM = ',ITOA(CHKSUM),13,10"
SEND_STRING 0,"OUTPUT: ',TXOUT,13,10"
SEND_STRING DIMMER,TXOUT
SEND_STRING 0,"TXOUT=', TXOUT"
}
DEFINE_CALL 'FUTR SET SCENE' (ADDRESS,MODE,ZONE,SCENE)
{
(*)
ADDRESS: DIMMER ADDRESS
MODE: 0 = NORMAL
1 = PROGRAM
ZONE: ZONE
SCENE: 0 to 19 = Scenes 1 to 20
254 = Off
255 = On
*)
CALL 'FUTR SEND' ('ADDRESS,$05,MODE,ZONE,SCENE")
}
(*****)
(* STARTUP CODE GOES BELOW *)
(*****)
DEFINE_START
SEND_COMMAND DIMMER,"SET BAUD 9600,N,8,1 485 ENABLE"
CREATE_BUFFER DIMMER,FUTRONIXBUF
(* END *****)
(*****)

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```
(* THE ACTUAL PROGRAM GOES BELOW *)
(*****)
DEFINE_PROGRAM
PUSH [TP,1] (*OFF*)
{
SEND_STRING DIMMER,'#0005000009F2:'
}
PUSH [TP,2] (*7*)
{
SEND_STRING DIMMER,'#0005000006F5:'
}
PUSH [TP,3] (*6*)
{
SEND_STRING DIMMER,'#0005000005F6:'
}
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FUTRONI2.AXS
PUSH [TP,4] (*5*)
{
SEND_STRING DIMMER,'#0005000004F7:'
}
PUSH[TP,5] (*4*)
{
SEND_STRING DIMMER,'#0005000003F8:'
}
PUSH[TP,6] (*3*)
{
SEND_STRING DIMMER,'#0005000002F9:'
}
PUSH[TP,7] (*2*)
{
SEND_STRING DIMMER,'#0005000001FA:'
}
PUSH[TP,8] (*1*)
{
SEND_STRING DIMMER,'#0005000000FB:'
}
PUSH[TP,9] (*ON*)
{
SEND_STRING DIMMER,'#00050000FFFC:'
}
PUSH[TP,10] (*OFF*)
{
SEND_STRING DIMMER,'#00050000FEFD:'
}
(*****
(* END OF PROGRAM *)
(* DO NOT PUT ANY CODE BELOW THIS COMMENT *)
(*****)
```