

**LEGRAND D21 ASTRO TIMER**

'MENU' ACTIVATES THE MAIN MENU AND ALSO FUNCTIONS AS THE BACK KEY.

- 'OK' CONFIRMS THE SETTING OR LOADS THE SET PARAMETER
- SCROLLS UP THROUGH THE MENU
- SCROLLS DOWN THROUGH THE MENU

**TO SET THE TIME:**

- 1) PRESS 'MENU'
- 2) SELECT 'SET'
- 3) SELECT ' TIME/DATE'
- 4) ENTER THE CURRENT HOUR, MINUTE, SECOND, DAY, MONTH AND YEAR AS REQUESTED
- 5) PRESS 'MENU'
- 6) SELECT 'SE T'
- 7) SELECT 'SUMMERTIME '
- 8) SELECT 'NO' TO DISABLE THE DAYLIGHT SAVINGS FUNCTION

**TO PROGRAM WITH KEY:**

- 1) INSERT KEY INTO KEY SLOT
- 2) SELECT 'READ' AND PRESS 'OK'

**WITHOUT KEY:**

- 1) PRESS 'MENU'
- 2) SELECT 'SET'
- 3) SELECT ' ASTRO'
- 4) IN THE 'COORDINATE' SECTION ENTER THE LATITUDE, LONGITUDE AND TIME\_ZONE FOR THE PARTICULAR LOCATION FROM TABLE 1
- 5) IN THE 'OFFSET' SECTION ENTER THE SUNRISE AND SUNSET OFFSET FOR THE PARTICULAR LOCATION FROM TABLE 1

THE STAR SYMBOL ON THE MAIN DISPLAY WILL INDICATE THAT THE TIMER IS IN ASTRO MODE

**TEST FUNCTION**

- 1) PRESS 'MENU'
  - 2) SELECT 'OPTIONS'
  - 3) SELECT '1H-TEST'
  - 4) SELECT 'PASSI VE'
- WHEN THIS FUNCTION IS ACTIVATED, THE OUTPUTS ARE SWITCHED ON FOR ONE HOUR. AFTER ONE HOUR THE TIME SWITCH RETURNS AUTOMATICALLY TO THE PROGRAMEMD MODE.

**ABB TWA-1 ASTRO TIMER**

'MENU' ACTIVATES THE MAIN MENU AND ALSO EXITS THE FUNCTIONS 'ENTER' CONFIRMS THE SETTING OR LOADS THE SET PARAMETER

- SCROLLS UP THROUGH THE MENU
- SCROLLS DOWN THROUGH THE MENU

**TO SET THE TIME:**

- 1) PRESS 'MENU'
- 2) SELECT THE CLOCK FACE ICON
- 3) ENTER THE DAY, MONTH, YEAR, HOUR AND MINUTE AS REQUESTED. NEXT SELECT 'NO' TO DISABLE THE DAYLIGHT SAVINGS FUNCTION

**TO PROGRAM WITH KEY:**

- 1) INSERT KEY AND WAIT 2 SECONDS
- 2) PRESS 'MENU'
- 3) SELECT 'LOAD' AND PRESS 'ENTER'
- 4) PRESS 'ENTER' AGAIN TO CONFIRM

**WITHOUT KEY:**

- 1) PRESS 'MENU'
- 2) SELECT 'ASTRO'
- 3) ENTER THE LONGITUDE ('Lo') FROM TABLE 2
- 4) ENTER THE LATITUDE ('Lat') FROM TABLE 2
- 5) ENTER THE TIME\_ZONE ('Udt') FROM TABLE 2
- 6) ENTER THE SUNRISE OFFSET ('RI') FROM TABLE 2
- 7) ENTER THE SUNSET OFFSET ('Set') FROM TABLE 2
- 8) ACTI VATE THE ASTRO MODE BY SELECTI NG 'ON'

THE STAR SYMBOL ON THE MAIN DISPLAY WILL INDICATE THAT THE TIMER IS IN ASTRO MODE

**TEST FUNCTION**

THE TEMPORARY OVERRIDES ARE ACTI VATED BY PRESSING THE HAND BUTTON

**FIRST PRESS:**

TEMPORARY OFF. OFF AND HAND SYMBOL WILL FLASH. AT THE NEXT PROGRAMMED STEP THE TI MER WILL RETURN TO AUTOMATIC MODE.

**SECOND PRESS:**

PERMANENT ON. ON AND THE HAND SYMBOL WILL STAY ON. THIS STATUS MUST BE MANUALLY CANCELLED.

**THIRD PRESS:**

15 MIN OVERRIDE. 15 AND THE HAND SYMBOL ARE DISPLAYED. THE TIMER WILL RETURN TO AUTOMATIC MODE AFTER 15 MINS.

**FOURTH PRESS:**

30 MIN OVERRIDE. 30 AND THE HAND SYMBOL ARE DISPLAYED. THE TIMER WILL RETURN TO AUTOMATIC MODE AFTER 30 MINS.

**FIFTH PRESS:**

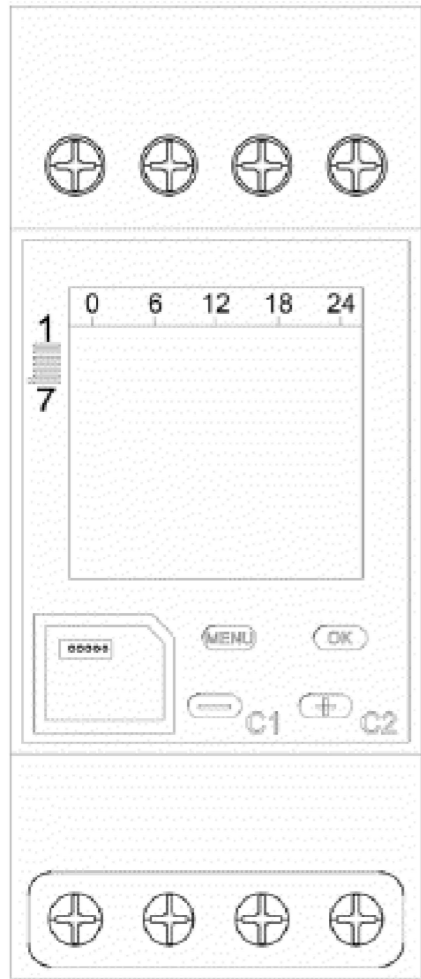
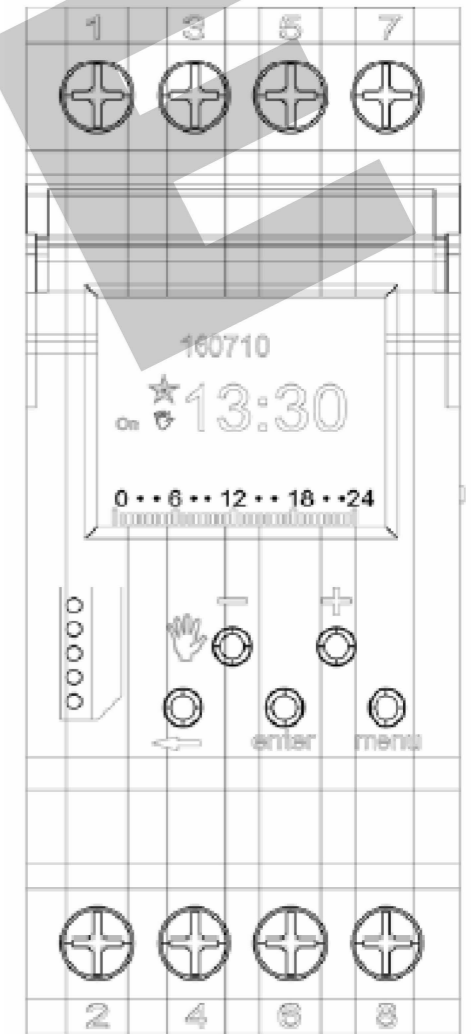
60 MIN OVERRI DE. 60 AND THE HAND SYMBOL ARE DISPLAYED. THE TIMER WILL RETURN TO AUTOMATIC MODE AFTER 60 MINS.

**SIXTH PRESS:**

PERMANENT OFF. OFF AND THE HAND SYMBOL ARE DISPLAYED. THIS STATUS MUST BE MANUALLY CANCELLED.

**SEVENTH PRESS:**

RETURN TO AUTOMATIC MODE



**TABLE 1**

MAJOR LOCATION	LONGITUDE	LATITUDE	SUNRISE OFFSET	SUNSET OFFSET	TIME_ZONE
DARWIN	131 E	12 S	5 MINS	-5 MINS	9 HOURS 30 MINS
KATHERINE	132 E	14 S	5 MINS	-5 MINS	
TENNANT CREEK	134 E	20 S	5 MINS	-5 MINS	
ALICE SPRINGS	134 E	24 S	5 MINS	-5 MINS	

**TABLE 2**

MAJOR LOCATION	LONGITUDE	LATITUDE	SUNRISE OFFSET	SUNSET OFFSET	TIME_ZONE
DARWIN	131 E	12 S	35 MINS	25 MINS	9 HOURS
KATHERINE	132 E	14 S	35 MINS	25 MINS	
TENNANT CREEK	134 E	20 S	35 MINS	25 MINS	
ALICE SPRINGS	134 E	24 S	35 MINS	25 MINS	

ITEM NO. : 412553

1  
0  
OBSOLETE  
ISSUED FOR CONSTRUCTION

NO	DESCRIPTION	DRN	DATE	CKD	APPD
	AMENDMENTS				



DES		POWER STANDARD DRAWING	
NK			
DRN		TIME CONTROL PACK ASTRO TIMER SETTINGS	
C.MCLAREN			
CKD		DRAWING NUMBER	
MS		A3	S03-01-05-16
APPD		SCALE	
CCC		NTS	
ISSUED		DRAFTING STANDARD TO A.S.1100	
AUG 2019		CAD PRODUCT - DO NOT AMEND MANUALLY	
ALL DIM. IN mm		AMDT	