Application Notes

UBL / UBL-EBF (v10 software)

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future automation

Installation

1. Apply power.

2. Use the Future Automation IR remote for all the following steps

3. **The buttons for all [STORE] sequences must be pressed sequentially with no more than 2 seconds between each press**

4. Set the maximum telescope height – the unrestricted maximum height of the UBL telescope is. Most installations will require a lower custom height. To trim the maximum height:

    i. Position the telescope at the required height using [IN], [OUT] and [STOP] on the IR remote.
    ii. Press the [STORE], [OUT]. The new telescope height is now configured.
    iii. If you make a mistake and need to set a higher viewing position, press [STORE], [STOP], [OUT]. This will clear the programmed height and revert to the default maximum extension
    iv. Test your new height using the [IN] and [OUT] buttons

IR & RS232 Commands

- RS232 commands are all terminated with carriage return but no line feed. In Crestron this is represented by \r
- IR sequences involving multiple key-presses require each successive key to be pressed within 2 seconds

User Control

IR	RS232	Action	Comments
IN	**fa_in**	**System fully in**	
HOME		**Moves to telescope extended, swivel centred position**	**Swivel moves to centre if already rotated**
OUT		**Similar to HOME but swivel will not move**	**Swivel will not move**
STOP	**fa_stop**	**Stop mechanism**	

Configuration

IR	RS232	Action	Comments
STORE OUT		**Set maximum telescope height**	**Stores current telescope height**
STORE STOP OUT		**Clear maximum telescope height**	**Reverts to physical limit of telescope**
STORE STORE HOME		**Factory Reset**	**Telescope height and viewing angles must be reconfigured after performing a factory reset**
STORE STORE >		**Swivel recovery**	**See above**

Contact Closure available on request

The standard Under Bed Lift control unit does not provide direct contact closure control. A separate external module is available upon request providing Contact Closure to RS232 conversion, allowing switched control of all UBL models.