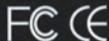




HA-64U _{v2}

User/Installation Manual



Manufacturer:

COMMERCIAL ELECTRONICS CO. LTD
264 HAYDONS ROAD, WIMBLEDON, LONDON SW19 8TT. UK

TEL: +44 020 8404 7105 FAX: +44 020 84047104
<http://www.hawkcaralarm.com> e-mail: info@hawkcaralarm.com

HAWK WINDOW CLOSER MODULE MANUAL INSTRUCTION

TECHNICAL FEATURES

Item	Feature
Supply voltage	9~15V
Current consumption	3mA
Maximum output current	20A
Trigger pulse type	Positive / Negative, digital signal
Monitor	Engine electromagnetic noise
Raising time of each glass	8±1sec
Switched channels type	2 or 4 windows
Protection design	Reverse polarity protection
	Short circuit protection
	Over voltage protection

FUNCTIONS

1. Automatic raising the windows glass when lock doors.
2. If the module disable, it will not affect vehicle windows circuit.
3. The factory manual switch can still control window motor's work.
4. Any window switch button can stop the rolling windows glass.
5. The window glass will stop raising when meets an obstacle.
6. Automatic cut engine power supply when meets overlarge current.
7. Automatic stop working on motor when window chain was broken.
8. The module doesn't work when car's engine is ON.

CHARACTERISTICS

➤ Operation of the module:

1. In the status of ACC ON, press the arming button, there is no response of the power window module, you have to close or open the windows by manual switch.

2. In the status of ACC OFF, close the door and press the arming button of the transmitter, the windows will be closed automatically one by one. The window raising sequence is from driver's door to passengers' doors: First left front window → right front window → left behind window → right behind window.

Notes: The time of activation for each window lasts about 8 seconds, but if one of the window is raised to top position in less than 8 seconds, the power window module will then pass to the next window raising immediately, which will help protect the electric power window motors.

3. When the last window is closed completely, the system will activate the window raising sequence again in order to confirm that all the windows are closed well.

➤ **The module can work with positive / negative lock pulse.**

➤ **The module can work with car alarm window control output:**

The output wire should be connected to Orange (+) or Orange/black (-) wire (Note: you can only choose one of them according to original car signal).

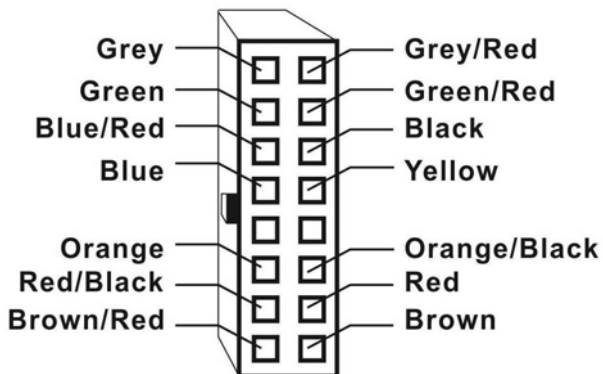
➤ **Safety mode:**

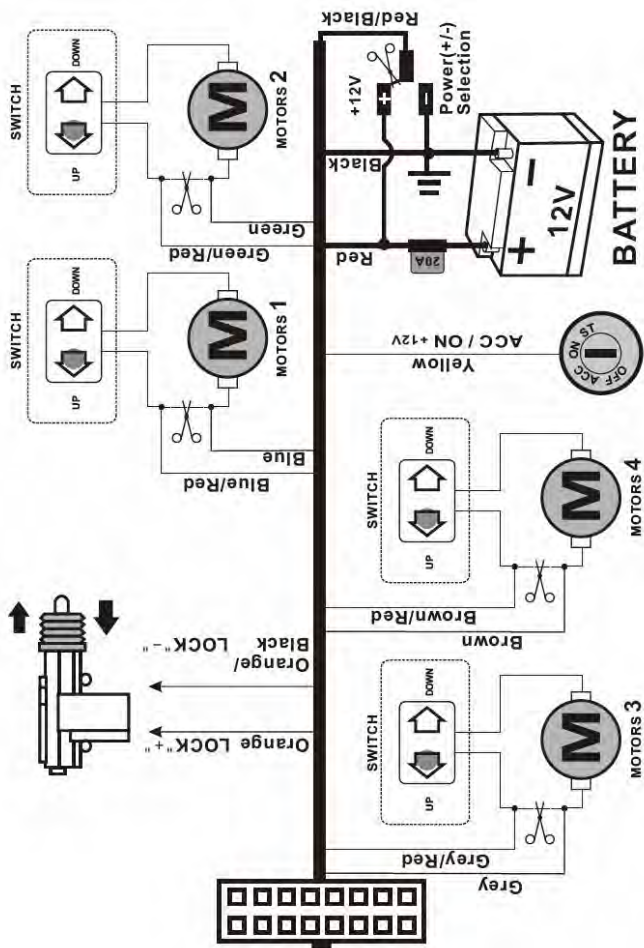
If the window is closed or motor is broken, the module will automatically switch to next window immediately. If the window glass meets any resistance, this window will be stopped automatically and move to next windows also. But if the resistance is removed before module stop working, this window will be raised up at the end.

➤ **Polarity (+/-) of Power Window motor input**

Red/black wire is designed to program motor wire's polarity. Factory default is (+) positive. To program into (-) negative, cut the Red/black wire off from Red (+) wire and connect Red/black wire to Ground.

WIRING DIAGRAM





CONSUMER WARRANTY

Commercial Electronics ("HAWK®") promises to the original purchaser to repair or replace with a comparable reconditioned model any HAWK unit (hereafter the "unit"), excluding without limitation the siren, the remote transmitters, the associated sensors and accessories, which proves to be defective in workmanship or material under reasonable use during one year from date of purchase. provided the following conditions are met: the unit was professionally installed and serviced by an authorized HAWK dealer; the unit will be professionally reinstalled in the vehicle in which it was originally installed by an authorized HAWK dealer; and the unit is returned to HAWK, shipping prepaid with a legible copy of the bill of sale or other dated proof of purchase bearing the following information: consumer's name, telephone number and address; the authorized dealers name, telephone number and address; complete product description, including accessories; the year, make and model of the vehicle; vehicle license number and vehicle identification number. All components other than the unit, including without limitation the siren, the remote transmitters and the associated sensors and accessories, carry a one-year warranty from the date of purchase of the same. This warranty is non-transferable altered, the unit has been modified or used in a manner contrary to its intended purpose; the unit has been damaged by accident, unreasonable use, neglect, improper service, installation or other causes not arising out of defects in materials or construction. The warranty does not cover damage to the unit caused by installation or removal of the unit. HAWK, in its sole discretion, will determine what constitutes excessive damage and may refuse the return of any unit with excessive damage. **TO THE MAXIMUM EXTENT ALLOWED BY LAW, ALL WARRANTIES, INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, ARE EXPRESSLY EXCLUDED; AND HAWK NEITHER ASSUMES NOR AUTHORIZES ANY PERSON OR ENTITY TO ASSUME FOR IT ANY DUTY, OBLIGATION OR LIABILITY IN CONNECTION WITH ITS PRODUCTS. HAWK DISCLAIMS AND HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORIZED DEALERS OR INSTALLERS. HAWK SECURITY SYSTEMS, INCLUDING THIS UNIT, ARE DETERRENTS AGAINST POSSIBLE THEFT. HAWK IS NOT OFFERING A GUARANTEE OR INSURANCE AGAINST VANDALISM, DAMAGE OR THEFT OF THE AUTOMOBILE, ITS PARTS OR CONTENTS; AND HEREBY EXPRESSLY DISCLAIMS ANY LIABILITY WHATSOEVER, INCLUDING WITHOUT LIMITATION, LIABILITY FOR THEFT, DAMAGE AND/OR VANDALISM. THIS WARRANTY DOES NOT COVER LABOUR COSTS FOR MAINTENANCE, REMOVAL OR REINSTALLATION OF THE UNIT OR ANY CONSEQUENTIAL DAMAGES OF ANY KIND. IN THE EVENT OF A CLAIM OR A DISPUTE INVOLVING HAWK OR ITS SUBSIDIARY, THE PROPER VENUE SHALL BE ENGLAND & WALES . THE MAXIMUM RECOVERY UNDER ANY CLAIM AGAINST HAWK SHALL BE STRICTLY LIMITED TO THE AUTHORIZED HAWK DEALER'S PURCHASE PRICE OF THE UNIT. HAWK SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, DAMAGES FOR THE LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. NOT WITH STANDING THE ABOVE, THE MANUFACTURER DOES OFFER A LIMITED ONE YEAR WARRANTY TO REPLACE OR REPAIR THE CONTROL MODULE AS DESCRIBED ABOVE.**