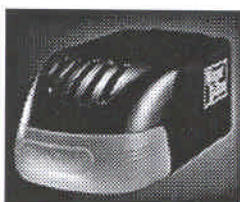


**Products to be Certified Under  
FCC ID: KJ802-5011**

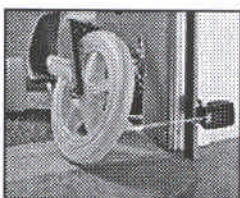
The original unit granted under FCC ID: FON02-5011 is a garage door receiver with motor control board which covers the following Quantum 433 MHz Series models: 3212 and 3213. The following is basic information regarding the product line.

## QUANTUM™ GARAGE DOOR OPENER

Wayne-Dalton's Quantum™ automatic garage door opener is a state-of-the-art product featuring numerous security and safety elements. Plus, you get a system that operates consistently at the rated horsepower. That's Quantum™ power - all the power you need to be safe and secure.



Quantum™  
Garage Door Opener



Patented wireless photo eyes signal a clear opening unless beam is "broken" while closing.

### Quantum-Gard™ Multi-Level Security System:

*Rolling Access Codes* defeats code-grabbing thieves by using a different access code each and every time a remote is used.

*Quantum-Gard™ Lock* provides extra security when the door is fully closed.

*Exclusive Easy Entrapment Removal* allows the door to be lifted manually without having to pull the emergency release cord. This is a great feature in an emergency when every second counts.

*Primary Protection Sensor* automatically reverses a closing door direction or stops an opening door when it encounters an obstruction.

*Timed travel limit* reverses the door to the open position if the down cycle is not completed within 21 seconds.

*Photo eyes' light beam* will signal clear opening unless the beam is broken during closing operation.

### Quality Instilled Construction:

*Hot dipped galvanized double-angle rail assembly* for smooth operation.

*Heavy duty, pre-lubricated full length chain* offers reliable operation for long life.

*Heat Sensor and Surge protection* for longer life.

*All-steel trolley with non-metallic glide surfaces* provides efficient performance with minimal maintenance because there is no metal-to-metal contact.

### MODELS

MODEL 3412 (1/2 hp)

MODEL 3413 (1/3 hp)

*Wireless* photo eyes, Quick-set Radio control with Quantum-Gard™ rolling access codes, and *delux* wall control unit.

15-YEAR Warranty with extended lifetime warranty on motor\*

MODEL 3312 (1/2 hp)

MODEL 3313 (1/3 hp)

*Wired* photo eyes, Quick-set Radio control with Quantum-Gard™ rolling access codes, and wall button.

10-YEAR limited warranty\*

MODEL 3212 (1/2 hp)

MODEL 3213 (1/3 hp)

*Wired* photo eyes, Quick-set Radio control with Quantum-Gard™ rolling access codes, and wall button.

5-YEAR limited Warranty\*

\* See warranty certificate for details.

## Copy of Previous Grant of Certification:

COPY

FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON, D.C. 20554GRANT OF EQUIPMENT AUTHORIZATION  
Notification

COPY

Challenger Division of Wayne Dalton Corp  
PO Box 270

Bound Brook,NJ 08805

Date of Grant: 09/30/1998

Application Dated: 08/03/1998

Attention: Robert Wood

## NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for  
the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER F02-5011

Name of Grantee Challenger Division of Wayne Dalton Corp

Equipment Class: Communications Receiver used w/Pt 15  
Transmitter

Notes:

| <u>Grant Notes</u> | <u>FCC Rule Parts</u> | <u>Frequency<br/>Range (MHZ)</u> | <u>Output<br/>Watts</u> | <u>Frequency<br/>Tolerance</u> | <u>Emission<br/>Designator</u> |
|--------------------|-----------------------|----------------------------------|-------------------------|--------------------------------|--------------------------------|
| 37                 | 15                    | 433 - 433                        |                         | %                              |                                |

37: This device has shown compliance with new rules adopted under Docket 87-389 and is not affected by Section 15.37,  
transition rule.

Mail To:

9808178315377002

## External Photographs:



Example of New Label:

Note: Similar Labels will be used for the various models, except for changes to the series name and ratings as appropriate.

|                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                  |                                                  |                                                                                                         |                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <p>TO BE .0 IN. TALL MIN. GENERAL NOTES:</p> <p>1. PACKAGED IN ROLLS</p> <p>UNWIND DIRECTION: LABEL ON OUTSIDE OF ROLL.<br/>COPY PRINTED ACROSS THE ROLL.<br/>BOTTOM OF LABEL OFF FIRST.</p> <p>2. MATERIAL:</p> <p>SILVER POLYESTER FILM:<br/>FLEXCON MM 200</p> <p>SILVER TC-200 L-23.</p> <p>CLEAR POLYESTER FILM OVERLAY:<br/>FLEXCON CLASSIC PLUS 10092.</p> <p>3. UL RECOGNIZED LABEL.</p> | <p>TEXT NOTES:</p> <p>291030</p> <p>1. ALL TEXT TO BE .0625 IN. TALL MIN. UNLESS OTHERWISE NOTED.</p> <p>COLOR NOTES:</p> <p>1. ALL TEXT TO BE BLACK UNLESS OTHERWISE NOTED.</p> | <p>TOOLING RELEASE</p> <p>BY:</p> <p>CHANGES</p> | <p>R &amp; D RELEASE TO</p> <p>PRODUCT DATE</p> <p>ENGINEERING 8/2/00</p> <p>BY: CJB</p> <p>CHANGES</p> | <p>FILE NAME</p> <p>DRAWING#REV.DWG</p> <p>PROJECT QUANTUM</p> <p>PER UNIT PER YEAR</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|

Model No. 3000  
Pat #423,1191

By: Wayne-Dalton of Florida  
Division of Wayne-Dalton Corp.  
3395 Addison Drive  
Pensacola, Florida 32514

FCC ID: KJ802-5011

CERTIFICATION NO.  
CAN 2549 102 1176A

LISTED 891F

291030

4.25

TEXT HT.: 25

2.50

TEXT HT.: 1562



**QUANTUM 3212**

Residential Door Operator

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

120 Volts

5 Amps

60 Hz

1/2 H.P. Motor

**Risk of entrapment.** After adjusting either the force or limits of travel adjustments, insure that the door releases on a 1-1/2 inch (or a 2 by 4 board) and fall high observation on the floor.

Terminals OBS & COM are connections for external entrapment protection devices: Wayne-Dalton Magic Lamp II Model ML2, 249318 (P-3078-R) and 249320 (P-3078-T)

SILVER TEXT ON BLACK BACKGROUND IN SMALL BOX ONLY

REFERENCE PART:

☐ REF PART IS REPLACED IN PRODUCTION & SERVICE

☐ REF PART IS REPLACED EXCEPT FOR SERVICE

☐ REF PART IS ONLY SIMILAR & NOT REPLACED

☐ MAKE THIS PART FROM REFERENCE PART

☐ COMMON TOOLING WITH REFERENCE PART

☐ CHANGE TO REFERENCE PART

INFORMATION IN THIS DRAWING AND ORAL INFORMATION REGARDING THIS PART OR THE SYSTEM IN WHICH IT IS USED IS CONSIDERED CONFIDENTIAL TO THE WAYNE DALTON CORP. THIS PRINT IS ONLY TO BE USED FOR THE PURPOSES OF QUOTATION AND ANY DISCUSSION OF FUNCTION OF THE PART OR THE SYSTEM IN WHICH THIS PART IS USED IS TO BE WITHIN THE INTERNAL COMMUNICATIONS OF THE QUOTING COMPANY AND WAYNE DALTON CORP.

|                                                                                                                                                                 |                                                                         |                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|  <p>3395 ADDISON DRIVE<br/>PENSACOLA, FLORIDA 32514<br/>(850) 474-9890</p> | <p><b>LABEL, DATA, 3212, QUANTUM 433 MHZ</b></p>                        | <p>ASSY(S)-</p>                                                                                          |
| <p>MATERIAL/SEE NOTES</p>                                                                                                                                       | <p>CODE PLOT SCALE</p>                                                  | <p>SCALE SIZE</p>                                                                                        |
| <p>DRAWN 7/31/00</p> <p>CHECKED 8/1/00</p> <p>APPR. 8/1/00</p>                                                                                                  | <p>DATE NAME</p> <p>7/31/00 CJB</p> <p>8/1/00 KJR</p> <p>8/1/00 KJR</p> | <p>TOLERANCES UNLESS SPECIFIED</p> <p>.0 ±.015</p> <p>.00 ±.010</p> <p>.000 ±.005</p> <p>ANGLE ±1/2°</p> |
| <p>DRAWING#REV.DWG</p>                                                                                                                                          |                                                                         | <p>PROJECT QUANTUM</p> <p>PER UNIT PER YEAR</p>                                                          |
| <p>DRAWING NO.</p>                                                                                                                                              |                                                                         | <p>REV</p>                                                                                               |