



BOGEN NYQUIST SERIES DIGITAL CALL SWITCH

Model NQ-E7020



DESCRIPTION

With the NQ-E7020 Digital Call Switch (DCS), users can initiate a normal, urgent, or emergency call from classrooms or other staff locations via an associated intercom speaker. This single-gang box type wall-mounted switch uses a full spectrum LED ring to confirm user actions, to indicate status (for example, changing color from solid color to blinking), or to acknowledge a button press when a user initiates a call or when a call has been terminated. The switch utilizes a capacitive touch sensor with no moving parts to jam or fail.

FEATURES

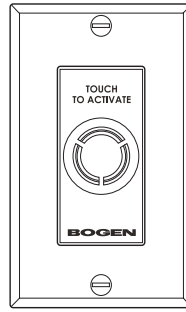
- **CAN Bus 2.0 Interface**
- **Capacitive touch sensor**
- **Full-spectrum LED ring indicates status and provides user feedback**
- **Single gang box, low voltage installation**
- **Includes matching white decora style plate**
- **Software defined button behavior**
 - Supports standard Normal/Emergency, Urgent/Emergency, and Emergency call-in modes
 - Each of the standard call-in modes also supports Privacy Mode
 - Can support room check-in when a facility is in Lockdown
- **Weight 0.2 lbs. / 0.091kg**

A & E SPECIFICATIONS

The NQ-E7020 DCS has been designed for use with Nyquist appliances equipped with a CAN Bus 2.0 Interface. The CAN Bus 2.0 interface provides power and signal and can connect to multiple DCSs in a daisy-chain fashion. The DCS fits into a single-gang/low-voltage installation using a standard 'decora-plate' cover (supplied). The behavior of this switch is software-definable and includes a full-spectrum LED ring to indicate status and provide users visual feedback. The DCS is a capacitive touch button design, so it doesn't have any moving parts to wear out. Systems that require membrane or mechanical rocker style call switches that can wear out over time shall not be acceptable.



The **C4000 Series** is built upon Bogen's award-winning Nyquist software-based IP communications platform, which provides users with unparalleled flexibility and scalability, whatever their application.



TECHNICAL SPECIFICATIONS

NQ-E7020

| | |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DC Input Voltage Range | +5VDC |
| Maximum DC Current | 15mA |
| CAN Bus Connector | One (1) 4-pin 3.5mm Phoenix-type Screw Connector |
| CAN Bus Interface | 5VDC; CH (CAN Hi); CL (CAN Low); G (Ground); Bus Speed 125 kbits/sec *Use 'Cat5 or equivalent cabling; Reference the NQ-E7020 Digital Call Switch Application Manual for wiring options and cable run length limits. |
| Capacitive Touch Sensor | High Signal-to-Noise Ratio; Multi-stage Active Noise Suppression Filters; Moisture/ Water Resistant |
| Indicators | Three (3) individual Full-Spectrum RGB LEDs (front) |
| Operating Temperature Range | -15 C to +40 C |
| Protection | ESD, DC, Reverse Polarity Protection, Over and Under Input Connector Voltage Protection |
| Certifications | CE and FCC Part 15b Class A; ICES-003, Issue 6: 2016; EN 55032:2012; EN 55035:2017 |
| Product Weight | 0.2 lbs. / 0.091kg |
| Physical Dimensions | Single Gang Box Compatible 1.54" W x 4.2" H x 1.15" D (Dimensions exclude attachable decora wall plate) |

* Cabling Recommendation(s)

Limited Warranty, Exclusion of Certain Damages

The **NQ-E7020** is warranted to be free from defects in materials and workmanship for five (5) years from the date of sale to the original purchaser. Any part of the product covered by this warranty that, with normal installation and use, becomes defective (as confirmed by Bogen upon inspection) during the warranty period will be repaired or replaced by Bogen, at Bogen's option, with new or refurbished product, provided the product is shipped insured and prepaid to: Bogen Factory Service Department: 4570 Shelby Air Drive, Suite 11, Memphis, TN 38118, USA. Repaired or replacement product(s) will be returned to you freight prepaid. This warranty does not extend to any of our products that have been subjected to abuse, misuse, improper storage, neglect, accident, improper installation or have been modified or repaired or altered in any manner whatsoever, or where the serial number or date code has been removed or defaced.

THE FOREGOING LIMITED WARRANTY IS BOGEN'S SOLE AND EXCLUSIVE WARRANTY AND THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY. BOGEN MAKES NO OTHER WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED AND EXCLUDED TO THE MAXIMUM EXTENT ALLOWABLE BY LAW. Bogen's liability arising out of the manufacture, sale or supplying of products or their use or disposition, whether based upon warranty, contract, tort or otherwise, shall be limited to the price of the product. IN NO EVENT SHALL BOGEN BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, LOSS OF DATA OR LOSS OF USE DAMAGES) ARISING OUT OF THE MANUFACTURE, SALE OR SUPPLYING OF PRODUCTS, EVEN IF BOGEN HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSSES. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

Products that are out of warranty will also be repaired by Bogen Factory Service Department -- same address as above or call 201-934-8500, at owner's expense. Returned products which do not qualify for warranty service, may be repaired or replaced at Bogen's option with a previously repaired or refurbished items. The parts and labor involved in these repairs are warranted for 90 days when repaired by the Bogen Factory Service Department. All parts and labor charges as well as shipping charges will be at the owner's expense.

All returns require a Return Authorization number. For most efficient warranty or repair service, please include a description of the failure.

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