**QUADSCAN II**

**RECEIVER DISPLAY**

Each input channel is simultaneously displayed on a large, backlit LCD. Programmable six-character channel "tags" make for easy identification of the input.

**SPECIFICATIONS/INSTALLATION**

**QUADSCAN II SERIES 7400 ONE TO FOUR CHANNEL RECEIVER**

**GENERAL**

- **Enclosure**: NEMA-4X Wall Mount
- **Temperature Range**: -14°F to 122°F (-25°C to 50°C)
- **Power**: 90 to 280VAC 50/60Hz or 24VDC
- **Weight**: 4 lbs. (1.8Kg)
- **Optional Relay Enclosure**: 1 lb. (.5Kg)
- **Horn**: Integral - 85dB @ 3 ft.
- **Weight**: 400mA max [without transmitters]
- **Common Relays**: Low alarm, high alarm, fail and horn.
  - SPDT rated 5A@250VDC
- **Individual Relays**: Total of eight programmable relays
  - (6) SPDT 5A@30VDC/277VAC
  - (2) DPDT 5A@ 30VDC/277VAC
- **Relays are installed in a separate NEMA-4X wallmount enclosure and must be mounted within 50 ft. of the 7400 monitor.**
- **User Interface**: Non-intrusive via magnet
- **Display**: 4 line/16 digit per line backlit LCD for individual or simultaneous display of each channel output.
- **Individual (per channel) LED indication for Fail, Low Alarm, High Alarm, and Inhibit**
- **Repeatability**: ±0.5% full scale
- **Accuracy**: ± 1% full scale
- **Approvals**: cULus, CE Marked
- **Warranty**: 1 year
- **Battery Backup Enclosure (optional)**: 7.5 in.(d) x 12 in.(w) x 12 in.(h)

**APPROVALS**

- cULus
- CE Marked

**QUADSCAN II SERIES 7400 ONE TO FOUR CHANNEL RECEIVER**

**INSTALLATION**

- Accepts input from any 4-20mA transmitters
- Individual or simultaneous display of each channel's output
- Individual molded, watertight, and ATEX (UL)適合
- Common 5A SPDT relays for Fail, Warn, Alarm, and Horn.
- Programmable time delay, fault tolerant, failsafe, and voting
- Optional relay module for up to 6 relays
- Programmable and adjustable to provide:
  - Fail activation for each channel
  - Voting logic
  - resize tags
  - 4-20mA output for each channel
- Universal 90 to 280VAC power supply
- Remote relay reset
- Programmable "lock-out" switch
- Built-in horns
- Optional 24VDC battery back-up

**Features of the Quadscan II Receiver**

- Individual or simultaneous display of each channel's output
- Individual molded, watertight, and ATEX (UL) suitable
- Common 5A SPDT relays for Fail, Warn, Alarm, and Horn.
- Programmable time delay, fault tolerant, failsafe, and voting
- Optional relay module for up to 6 relays
- Programmable and adjustable to provide:
  - Fail activation for each channel
  - Voting logic
  - resize tags
  - 4-20mA output for each channel
- Universal 90 to 280VAC power supply
- Remote relay reset
- Programmable "lock-out" switch
- Built-in horns
- Optional 24VDC battery back-up

**User Interface**

- Non-intrusive via magnet
- 4 line/16 digit per line backlit LCD for individual or simultaneous display of each channel output
- Individual (per channel) LED indication for Fail, Low Alarm, High Alarm, and Inhibit
- Repeatability ±0.5% full scale
- Accuracy ± 1% full scale
- Approvals cULus, CE Marked
- Warranty 1 year
- Battery Backup Enclosure (optional): 7.5 in.(d) x 12 in.(w) x 12 in.(h)

**Individual or simultaneous display of each channel's output.**
**QUADSCAN II**

**SERIES 7400 ONE TO FOUR CHANNEL RECEIVER**

**Controlled Monitoring and alarming for Gas Transmission and Fire Detectors.**

The QuadScan II offers a powerful, yet easy-to-use, networked platform. This unique, powerful, yet easy-to-use, networked platform can monitor and control up to four gas transmitters, and fire detectors, in a totally flexible, transportable, multi-channel annunciator. The QuadScan II in the field performs all the features of the QuadScan II in the office, allowing you to easily and cost-effectively expand your system if necessary, without the need for new equipment.

**Intelligent Control with the QuadScan II Receiver**

The QuadScan II receiver brings intelligent control to a wide range of applications. Package any of the Scott gas or flame detectors into a powerful, small-scale detection system for your facility.

**Programmable Lock-out Features**

The QuadScan II receiver provides common low power to each channel they need. Unused channels can then be locked-out, preventing false alarms. In addition, the QuadScan II receiver provides power to personnel of alarm conditions. The LCD’s six alphanumeric characters can be programmed to display each channel’s concentration and alarm status while the built-in, 85 decibel horn provides audible notification to personnel of alarm conditions. The LCD and bright LEDs that display each channel’s concentration and alarm status while the built-in, 85 decibel horn provides audible notification to personnel of alarm conditions.

**Powerful Alarm and Relay Features**

The QuadScan II receiver provides over 500 programmable functions, easily activated with the purchase of a passcode. Users determine how and when a relay or group of relays should operate through the easy-to-use interface.

**On-screen data logging.**

**Zoning and Voting Logic**

The QuadScan II receiver and its optional relay module bring the power of zoning and voting logic to your relays. The QuadScan II receiver provides 4-20mA outputs for retransmission to other system controllers. The QuadScan II receiver provides 4-20mA outputs for retransmission to other system controllers.

**Centralizes Monitoring and Alarming for Gas Transmitters and Fire Detectors.**

The QuadScan II receiver provides common low power to each channel they need. Unused channels can then be locked-out, preventing false alarms. In addition, the QuadScan II receiver provides power to personnel of alarm conditions. The LCD’s six alphanumeric characters can be programmed to display each channel’s concentration and alarm status while the built-in, 85 decibel horn provides audible notification to personnel of alarm conditions. The LCD and bright LEDs that display each channel’s concentration and alarm status while the built-in, 85 decibel horn provides audible notification to personnel of alarm conditions.

**Gas Cylinder Storage Areas**

Applications for the QuadScan II Receiver

-**Flame Detection and Fire Suppression Systems**
  - Provides extra protection against false alarms while preventing fire or fire transmission to determine the presence of a flame suppression system. The QuadScan II receiver provides 4-20mA outputs for retransmission to other system controllers.
  - Provides extra protection against false alarms while preventing fire or fire transmission to determine the presence of a flame suppression system. A single unit in alarm will activate audible and visual alarms alerting personnel of a potential fire.

**Intelligent Control with the QuadScan II Receiver**

The QuadScan II receiver brings intelligent control to a wide range of applications. Package any of the Scott gas or flame detectors into a powerful, small-scale detection system for your facility.

**Applications for the QuadScan II Receiver**

- **Petroleum, Coal and Metal Refining**
  - Provides extra protection against false alarms while preventing fire or fire transmission to determine the presence of a flame suppression system. The QuadScan II receiver provides 4-20mA outputs for retransmission to other system controllers.

- **Chemical Industries**
  - Provides extra protection against false alarms while preventing fire or fire transmission to determine the presence of a flame suppression system. The QuadScan II receiver provides 4-20mA outputs for retransmission to other system controllers.

- **Food and Beverage**
  - Provides extra protection against false alarms while preventing fire or fire transmission to determine the presence of a flame suppression system. The QuadScan II receiver provides 4-20mA outputs for retransmission to other system controllers.

- **Parking Garages**
  - Provides extra protection against false alarms while preventing fire or fire transmission to determine the presence of a flame suppression system. The QuadScan II receiver provides 4-20mA outputs for retransmission to other system controllers.

- **Oil and Gas Refineries**
  - Provides extra protection against false alarms while preventing fire or fire transmission to determine the presence of a flame suppression system. The QuadScan II receiver provides 4-20mA outputs for retransmission to other system controllers.

- **Power, Metal, and Coal Production**
  - Provides extra protection against false alarms while preventing fire or fire transmission to determine the presence of a flame suppression system. The QuadScan II receiver provides 4-20mA outputs for retransmission to other system controllers.

- **Smoke Detection**
  - Provides extra protection against false alarms while preventing fire or fire transmission to determine the presence of a flame suppression system. The QuadScan II receiver provides 4-20mA outputs for retransmission to other system controllers.

- **Pumpstation Monitoring/Sewage Treatment Facilities**
  - Provides extra protection against false alarms while preventing fire or fire transmission to determine the presence of a flame suppression system. The QuadScan II receiver provides 4-20mA outputs for retransmission to other system controllers.

- **Surrounding Facilities**
  - Provides extra protection against false alarms while preventing fire or fire transmission to determine the presence of a flame suppression system. The QuadScan II receiver provides 4-20mA outputs for retransmission to other system controllers.

**QuadScan II's in-the-field "Channel Expansion" feature allows users to initially purchase only the number of channels they need. Unused channels can then be locked-out, preventing false alarms.**

**Centralizes Monitoring and Alarming for Gas Transmitters and Fire Detectors.**

The QuadScan II receiver provides common low power to each channel they need. Unused channels can then be locked-out, preventing false alarms. In addition, the QuadScan II receiver provides power to personnel of alarm conditions. The LCD’s six alphanumeric characters can be programmed to display each channel’s concentration and alarm status while the built-in, 85 decibel horn provides audible notification to personnel of alarm conditions. The LCD and bright LEDs that display each channel’s concentration and alarm status while the built-in, 85 decibel horn provides audible notification to personnel of alarm conditions.

**Powerful Alarm and Relay Features**

The QuadScan II receiver provides over 500 programmable functions, easily activated with the purchase of a passcode. Users determine how and when a relay or group of relays should operate through the easy-to-use interface.

**On-screen data logging.**

**Zoning and Voting Logic**

The QuadScan II receiver and its optional relay module bring the power of zoning and voting logic to your relays. The QuadScan II receiver provides 4-20mA outputs for retransmission to other system controllers. The QuadScan II receiver provides 4-20mA outputs for retransmission to other system controllers.

**Intelligent Control with the QuadScan II Receiver**

The QuadScan II receiver brings intelligent control to a wide range of applications. Package any of the Scott gas or flame detectors into a powerful, small-scale detection system for your facility.

**Applications for the QuadScan II Receiver**

- **Petroleum, Coal and Metal Refining**
  - Provides extra protection against false alarms while preventing fire or fire transmission to determine the presence of a flame suppression system. The QuadScan II receiver provides 4-20mA outputs for retransmission to other system controllers.

- **Chemical Industries**
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- **Smoke Detection**
  - Provides extra protection against false alarms while preventing fire or fire transmission to determine the presence of a flame suppression system. The QuadScan II receiver provides 4-20mA outputs for retransmission to other system controllers.

- **Pumpstation Monitoring/Sewage Treatment Facilities**
  - Provides extra protection against false alarms while preventing fire or fire transmission to determine the presence of a flame suppression system. The QuadScan II receiver provides 4-20mA outputs for retransmission to other system controllers.

- **Surrounding Facilities**
  - Provides extra protection against false alarms while preventing fire or fire transmission to determine the presence of a flame suppression system. The QuadScan II receiver provides 4-20mA outputs for retransmission to other system controllers.

**Zoning and Voting Logic**

The QuadScan II receiver and its optional relay module bring the power of zoning and voting logic to your relays. Users determine how and when a relay or group of relays should operate through the easy-to-use interface.

**On-screen data logging.**

**Time Delay On/Hold**

General feedback to the operation of auxiliary devices by permitting users to designate the amount of time a relay will either not take to become inactive or how long it will continue to be active after an alarm has been cleared. In the example above, the area operating the ventilation systems has been selected to remain activated for 15 minutes to ensure the area has been cleared of gas. If the area gas detectors have been programmed with the "alarm hold" feature, the general nuisance alarm will be silenced.
Features of the QuadScan II Receiver

- Individual or simultaneous display of each channel’s output
- Individual inhibit/flag, warn, and alarm status
- Common 5A SPDT relay for Fail, Warn, Alarm, and Horn
- Programmable time delay, inhibit/flag, and alarm status
- Optional relay module for up to 8 relays
- Programmable and assignable to provide:
  - Mode activation for each channel
  - Voting logic
  - Voting flags
  - Fail block output for each channel
  - Universal 90 to 280VAC power supply
  - Remote relay reset
- Programmable “Lock-Out” mode
- Individual (per channel) LED indication for Fail, Warn, Alarm, and Horn
- 0/4-20mA output for each channel
- Universal input range 4 to 20mA
- Universal 90 to 280VAC power supply
- Remote relay reset
- Programmable “Lock-Out” mode
- Built-in horn
- Optional 24VDC battery back-up

Specifications/Installation

QuadScan II Series 7400 One to Four Channel Receiver

**General**

- Enclosure: NEMA-4X Wall Mount
- Temperature Range: -14°F to 122°F (-25°C to 50°C)
- Sensor: Depends on gas type
- Power: 90 to 280VAC or 24VDC
- Power: 400mA max (without transmitters)
- Common Relays:
  - Low alarm, high alarm, fail, and horn
- Individual Relays (optional):
  - Total of eight programmable relays
  - (6) SPDT 5A@30VDC/277VAC
  - (2) DPDT 5A@ 30VDC/ 277VAC
- Relays are installed in a separate NEMA-4X wallmount enclosure and must be mounted within 50 ft. of the 7400 monitor.

**User Interface**

- Non-intrusive via magnet
- Display:
  - Each input channel has a dedicated input channel display for individual or simultaneous display of each channel’s output.

**Approvals**

- Warranty: 1 year
- Battery Backup Enclosure (optional):
  - 7.5 in.(d) x 12 in.(w) x 12 in.(h)

**Repeatability**

- ±0.5% full scale

**Accuracy**

- ±1% full scale

**Miscellaneous**

- QuadScan Brochure
- Accepts input from any 4-20mA transmitter
- Programmable input channel display
- Programmable input channel “tag” for easy identification of the input.
Intelligent Control with the QuadScan II Receiver

The QuadScan II receiver brings intelligent control to a wide range of applications. It features any of the Scott gas or flame detectors into a powerful, small-scale detection system for your facility.

QuadScan II Receiver

Zoning and Voting Logic

The QuadScan II receiver and its optional relay module bring the power of zoning and voting logic to your relays. Users determine how and when a relay group or system should operate through the use of two technologies.

Zoning

When a potential fire or gas release has been identified, the QuadScan II receiver can provide the operation of auxiliary devices.

Voting

Provides extra protection against false alarms while preventing fire or machine injuries from occurring before the area has been cleared of the hazard. The QuadScan II receiver can also be used to ensure the operation of a flame suppression system. A single sensor in a zone will activate audible and visual alarms alerting personnel of a potential fire.

Zone Logic

Thresholds are set to discriminate between alarm conditions and other, less hazardous situations.

Voting Logic

Provides added protection against false alarms while preventing fire or machine injuries from occurring before the area has been cleared of the hazard.

Time Delay On/Hold

The QuadScan II receiver remembers the last operation of auxiliary devices by preventing users from determining the amount of time a relay will either take to become active or how long it will continue to be active. The QuadScan II receiver provides two time delays. The selection of one or both time delays is user-defined. The time delay is then activated if the alarm condition has been selected to remain activated for 15 minutes to ensure the area has been cleared of the hazard.

QuadScan II is a trademark of Scott Safety Limited.
QuadScan II
SERIES 7400 ONE TO FOUR CHANNEL RECEIVER

Intelligent Control with the QuadScan II Receiver
The QuadScan II receiver brings intelligent control to a wide range of applications. Package any of the Scott gas or flame detectors into a powerful, small-scale detection system for your facility.

Applications for the QuadScan II Receiver
Pneumatics Monitoring/Sorce Treatment Facilities
Hydrocarbon, oxygen deficient, and combustible gas transmitters continue to protect facility and personnel.

Gas Cylinder Storage Areas
For protection against a variety of potential gas leaks in multiple locations.

Gas Transmitters and Fire Detectors
Centralizes monitoring and alarming for personnel of alarm conditions. The LCD's six alphanumeric characters can be programmed to alert personnel of alarm conditions. The LCD's six alphanumeric characters can be programmed to identify each input. Standard concentration units such as PPM, PPB, or % are selectable. The built-in, flexible features that make it the ideal choice for your facility.

Centralizes Monitoring and Alarming for Gas Transmission and Fire Detectors
The QuadScan II receiver is an intelligent controller and alarm system that can be configured to suit your needs.

QuadScan II
Centralizes Monitoring and Alarming for Gas Transmission and Fire Detectors
Uses FlameVision gas detectors and the QuadScan II receiver's voting and zoning logic to detect and suppress false alarms.

QuadScan II
Centralizes Monitoring and Alarming for Gas Transmission and Fire Detectors
Protects facility and personnel from hazardous build-ups of gases from automobiles and generators.

QuadScan II
Centralizes Monitoring and Alarming for Gas Transmission and Fire Detectors
Protects parking garages and hydrogen sulfide.

QuadScan II
Centralizes Monitoring and Alarming for Gas Transmission and Fire Detectors
From textiles to pharmaceutical applications, the QuadScan II receiver and other Scott instruments and gas transmitters are used for the detection of a complete spectrum of airborne hazards.

QuadScan II
Centralizes Monitoring and Alarming for Gas Transmission and Fire Detectors
-from pharmaceutical applications, the QuadScan II receiver and other Scott instruments and gas transmitters are used for the detection of a complete spectrum of airborne hazards.

QuadScan II
Centralizes Monitoring and Alarming for Gas Transmission and Fire Detectors
The highly visible interface includes a backlit LCD and bright LEDs that display each channel's status and concentration. The LCD's six alphanumeric characters can be programmed to identify each input. Standard concentration units such as PPM, PPB, or % are selectable. The built-in, flexible features that make it the ideal choice for your facility.

Programmable Fault-out mode.
Load built-in horns.

On-screen data logging.

Users determine how and when a relay or group of relays should operate through the easy-to-use interface.

QuadScan II
Centralizes Monitoring and Alarming for Gas Transmission and Fire Detectors
Users determine how and when a relay or group of relays should operate through the easy-to-use interface.

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**GENERAL**

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- **Sensor**: Depends on gas type.
- **Weight**: 4 lbs (1.8Kg)
- **Power**: 90 to 280VAC 50/60Hz or 24VDC.
  - 400mA max [without transmitters]
- **Common Relays**: Low alarm, high alarm, fail and horn.
  - SPDT rated 5A@250VDC
- **Individual Relays**: (optional)
  - Total of eight programmable relays
  - (6) SPDT 5A@30VDC/277VAC
  - (2) DPDT 5A@30VDC/277VAC
- **Relays are installed in a separate NEMA-4X wallmount enclosure and must be mounted within 50 ft. of the 7400 monitor.**

**User Interface**

- Non-intrusive via magnet
- **Display**: Four line/16 digit per line backlit LCD for individual or simultaneous display of each channel output.
- **Individual (per channel) LED indication** for Fail, Low Alarm, High Alarm, and Inhibit

**Repeatability**

- ± 0.5% full scale

**Accuracy**

- ± 1% full scale

**APPROVALS**

- **Battery Backup Enclosure (optional)**: 7.5 in.(d) x 12 in.(w) x 12 in.(h)

**QUADSCAN II**

**SERIES 7400 ONE TO FOUR CHANNEL RECEIVER**

Features of the QuadScan II Receiver

- Accepts input from any 4-20mA transmitters.
- Individual or simultaneous display of each channel's output.
- Individual inhibiting, Warning, and Alarm LEDs.
- Common SPDT relays for Fail, Warn, Alarm, and Horn.
- Programmable time delay, fail-safe/take-safe, and voting logic.
- Programmable two delays per up to 6 delays.
- Programmable time delay for Fail, Warn, Alarm, and Horn.
- Optional relay module for up to 6 relays.
- Programmable time delay, Fail-safe/take-safe, and voting logic.
- 0-4/20mA output for each channel.
- Universal 90-280VAC power supply.
- Remote relay reset.
- Programmable "Lock-Out" mode.
- Built-in horn.
- Optional 24VDC battery back-up.

- Each input channel is simultaneously displayed on a large, back lit LCD. Programmable six character channel "tags" make for easy identification of the input.

- Non-intrusive via magnet
- Individual or simultaneous display of each channel's output.
- Universal 90-280VAC power supply.
- Built-in horn.
- Optional 24VDC battery back-up.