

Accessories and Software Packages for the Allegiant® Switcher/Control Systems



The Allegiant® accessory products provide many optional features to the base Allegiant Video Switcher/Control System. Accessory products are used to provide camera pan/tilt/zoom control, alarm call-ups, relay outputs, and expansion of existing main CPU bay hardware ports. All accessory products are designed to be compatible throughout the Allegiant systems.

Accessory Items

Model No.	Description
LTC 8553 Series	Keyboard
LTC 8555 Series	Keyboard
LTC 9050/00	Keyboard Rack Mount Kit
LTC 8558/00	Keyboard Extension Cable
LTC 8557 Series	Keyboard Extension Kits
LTC 8568/00	Signal Distribution Unit
LTC 8768/00	Signal Distribution Unit
LTC 8540/00	Alarm Interface Unit
LTC 8560 Series	Receiver/Drivers
LTC 8569 Series	Code Merger Units
LTC 8570 Series	Code Merger Units
LTC 8590 Series	Allegiant® Coaxial Transmission Systems
LTC 8712 Series	Console Port Expander Units
LTC 8713 Series	Alarm Port Expanders
LTC 8714 Series	Keyboard Port Expanders
LTC 8715 Series	Keyboard Port Expanders

Model No.	Application
LTC 8785 Series	Code Converter Units
LTC 8808/00	Video Interconnect Panel
LTC 8770 Series	Relay Units
LTC 8780 Series	Data Converter Units
LTC 8781 Series	Time/Date Converter Units
LTC 8782 Series	Code Translator Units
LTC 8785 Series	Code Converter Units
LTC 8506/00	Cable, PC-to-Console Port
LTC 8507/00	Cable, Printer Port
LTC 8809/00	Ribbon Cable. 1.8 m (6 ft).
LTC 8809/01	Ribbon Cable. 0.9 m (3 ft).

Windows®-based Software Packages

Model No.	Application
LTC 8059/00	Master Control Software
LTC 8850/00	Graphical User Interface

SPECIFICATIONS

Environmental

Note: Specifications as noted below unless otherwise specified in applicable accessory literature.

Temperature:

Operating: +4 °C to +50 °C (+40 °F to +122 °F).
Humidity: 0% to 95% relative, noncondensing.

Shock: 50 g, 11 ms, 1/2 sine.

Altitude: 3000 m (10,000 ft).

LTC 8550/00, LTC 8550/01 Keyboards

Full function keyboard used for system control and programming. Includes integral fixed speed pan/tilt joystick and zoom lens controls. Power provided by main CPU bay using supplied 4 m (12 ft) cable. All '01' keyboard models utilize icons to identify the keys in lieu of the English descriptions.

Electrical

Operating Voltage: 12 VAC (supplied by main CPU bay).

Power: 3.6 W nominal.

Signal: Two wire RS-485, 9600 baud.

Connectors: One 6 contact connector for data/power.

Mechanical

Construction/Finish: High impact polystyrene. Charcoal colored case with mushroom colored keys.

Dimensions: 483 W x 51 D x 178 H mm (19 x 2 x 7 in).

Weight: 1.24 kg (2.7 lb).

LTC 8551/00, LTC 8551/01 Keyboards

Same as LTC 8550 Series keyboards except contains four directional oriented, nonprotruding push buttons instead of joystick for applications where a flush mounted appearance is desired.

LTC 8554/00, LTC 8554/01 Keyboards

Reduced size version of LTC 8551 Series keyboards.

Dimensions: 220 W x 51 D x 155 H mm (8.67 x 2.00 x 6.11 in).

Weight: 0.5 kg (1.1 lb).

LTC 8553/00, LTC 8553/01 Keyboards

Similar to LTC 8550 Series keyboards except contains variable speed joystick for use in Allegiant systems where variable speed pan/tilt control is desired using AutoDome® pan/tilt/zoom/cameras.

LTC 8555/00, LTC 8555/01 Keyboards

Reduced size version of LTC 8553 Series keyboards.

Dimensions: 220 W x 51 D x 155 H mm (8.67 x 2.00 x 6.11 in).

Weight: 0.55 kg (1.22 lb).

LTC 9050/00 Keyboard Rack Mount Kit

Rack mounting kit designed to provide vertical, horizontal or 30° inclined mounting for LTC 8550, LTC 8551, LTC 8553, or LTC 8552 Series keyboards.

Finish: Flat black.

Dimensions: Width: 1 EIA standard rack unit; height: 5 EIA standard rack units.
483 W x 220 H mm (19 x 8.75 in).

Weight: 1 kg (2 lb).

LTC 8558/00 Keyboard Extension Cable

Six conductor extension cable carries data/power for remote LTC 8550, LTC 8551, or LTC 8553 Series keyboards up to 30 meters (100 ft) away from main CPU bay.

LTC 8557 Series Keyboard Extension Kits

Interface kit used to remote LTC 8550, LTC 8551, or LTC 8553 Series keyboards up to 1.5 km (5000 ft) away from main CPU bay. Customer supplied 0.5 mm² (24 AWG) shielded-twisted pair (Belden 9841 or equivalent) required between main CPU bay site and keyboard site. Kit provides two junction boxes, interface cable, and appropriate keyboard power supply.

Electrical

Model No.	Rated Voltage ¹	Voltage Range	Power
LTC 8557/60	120 VAC, 50/60 Hz	108 to 132	10 W
LTC 8557/50	230 VAC, 50/60 Hz	198 to 264	15 W

1. Input voltage of included power supply.

Indicators: Junction box mounted power LED.

Connectors:

4-position screw terminal block.

6-contact keyboard cable connector.

Mechanical

Construction/Finish: Surface mountable, flat black painted metal enclosure.

Dimensions: 82 W x 57 D x 25 H mm (3.25 x 2.25 x 1 in).

Weight: 170 g (6 oz).

LTC 8568/00 Signal Distribution Unit

Main site biphasic control code distribution and line driver unit for communicating to receiver/drivers, switcher/followers, and satellite systems. Provides 32 separate outputs for driving up to 256 remote devices. Either "star" or "daisy chain" wiring configurations may be used. Two meter (6 ft) interface cable for data/power between unit and main CPU bay supplied. Not applicable to the LTC 8100, LTC 8200, & LTC 8300 Series systems.

Electrical

Operating Voltage: 12 VAC (supplied by main CPU bay).

Power: 3 W.

Indicators:

Power: LED.

Code: LED.

Connectors:

Input: 9-pin connector for data/power.

Outputs: Sixteen 6 contact removable screw terminal blocks for code output. Maximum transmission distance is 1.5 km (5000 ft) using 1 mm² (18 AWG) shielded-twisted pair (Belden 8760 or equivalent).

Mechanical

Construction/Finish: Charcoal colored metal enclosure.

Dimensions: 445 W x 318 D x 89 H mm (17.5 x 12.5 x 3.5 in). Integral mounting flanges for EIA 19-inch rack.

Weight: 1.8 kg (4 lb).

LTC 8768/00 Signal Distribution Unit

Same features and specifications as the LTC 8568/00 except that it contains twice the number of output connectors which provide 64 separate outputs for driving up to 512 remote devices. Not applicable to the LTC 8100, LTC 8200, & LTC 8300 Series systems.

LTC 8540/00 Alarm Interface Unit

Unit accepts up to 64 contact closures or logic level inputs from remote sensing devices such as door contacts, PIRs, etc. and then reports the "alarm" information to the main CPU bay. Alarm inputs may be configured in groups of 32 to accept either normally open or normally closed contacts. Unit also contains eight relay outputs which operate upon alarm conditions. A two meter (6 ft) interface cable for data/power between unit and main CPU bay is supplied. Not applicable to the LTC 8100, LTC 8200, & LTC 8300 Series systems.

Electrical

Operating Voltage: 12 VAC or 12 VDC (12 VAC is supplied by main CPU bay).

Power: 8 W.

Indicators:

Power: LED.

Alarm: LED, audible tone.

Connectors:

Alarm Inputs: 64; twenty 6-contact removable screw terminal blocks for alarm inputs.

Alarm Outputs: Four 6-contact removable screw terminal block; relay outputs (100 VDC, 0.5 A, 10 W).

Data/Power: One 9-pin connector.

Mechanical

Construction/Finish: Charcoal colored metal enclosure.

Dimensions: 445 W x 318 D x 89 H mm (17.5 x 12.5 x 3.5 in). Integral mounting flanges for EIA 19-inch rack.

Weight: 1.8 kg (4 lb).

LTC 8560 Series, LTC 8561 Series, LTC 8562 Series, LTC 8563/20, LTC 8564/20, LTC 8566 Series Receiver/Drivers

On-site receiver/drivers for control of pan/tilt, zoom lenses, auxiliary functions, etc. Refer to separate data sheets for complete specifications.

G3 AutoDome Series

The G3 AutoDome system integrates high speed panning and tilting, 360° continuous rotation, pre-positions, etc. in a small, easy-to-install lightweight package. Refer to separate datasheet for complete specification.

LTC 8569, LTC 8570, LTC 8571, LTC 8572 Series Code Merger Units

Control code merger and line driver units used to combine Allegiant biphasic control code from two (up to four with LTC 8570 and LTC 8572 versions) systems for communicating to receiver/drivers, switcher/followers, and Satellite systems. The LTC 8569, LTC 8570 Series provides 32 separate outputs capable of driving up to 256 remote devices. The LTC 8571, LTC 8572 Series provides 64 separate outputs capable of driving up to 512 remote devices. Either "star" or "daisy chain" wiring configurations may be used. Two (four with LTC 8570 and LTC 8572) data cables for interface to Allegiant main CPU bays supplied. Unit will accept signal input either from Allegiant main CPU bay, LTC 8568/00 output, LTC 8780 biphasic output, or an output from another LTC 8569, LTC 8570 Series or LTC 8571, LTC 8572 Series unit. Multiple units may be cascaded to obtain additional outputs.

Electrical

Model No.	Rated Voltage	Voltage Range	Power
LTC 8569/60, LTC 8570/60 LTC 8571/60, LTC 8572/60	120 VAC, 50/60 Hz	108 to 132	12 W
LTC 8569/50, LTC 8570/50 LTC 8571/50, LTC 8572/50	230 VAC, 50/60 Hz	198 to 264	12 W

Indicators:

Power: LED.

Code: LED.

Connectors:

Inputs: Two 9-pin connectors (four with LTC 8570 Series and LTC 8572 Series).

Outputs: Sixteen (32 on LTC 8572 Series) 6 contact removable screw terminal blocks for code output. Maximum transmission distance is 1.5 km (5000 ft) using 1 mm² (18 AWG) shielded-twisted pair (Belden 8760 or equivalent).

AC Input: 3-wire power cord with grounded plug; 1.8 m (6 ft) long.

Mechanical

Construction/Finish: Charcoal colored metal enclosure.

Dimensions: 445 W x 318 D x 89 H mm (17.5 x 12.5 x 3.5 in). Integral mounting flanges for EIA 19-inch rack.

Weight: 5.3 kg (11.7 lb).

LTC 8770 Series Relay Units

The LTC 8770 Series are relay units that are designed to operate with devices that generate Allegiant biphasic control code. These devices include the Allegiant series of video matrix switcher/controllers, System4 series of multiplexers, LTC 5136 controller series, Phoneline Video Transmission Systems, Code Merger Series Units, and various Data Converter Series Units. The LTC 8770 receives biphasic control signals and opens or closes relays, depending upon the desired operating mode. There are 24 individually isolated relays in which to connect to various devices and there are six functional operating modes and one user test mode to aid installation.

Electrical

Model No.	Rated Voltage	Voltage Range	Power
LTC 8770/50	230 VAC, 50/60 Hz	198 to 264	8 W
LTC 8770/60	230 VAC, 50/60 Hz	105 to 132	8 W

Indicators: Power and data transmission activity displayed using LEDs. Device number or logical relay number indicated by a 4-position thumbwheel switch located on the rear panel.

Connectors:

Inputs: One 3-pin removable screw terminal connector, located on the rear panel; communication port where biphasic commands are received.

Outputs: Four 12-pin removable screw terminal connectors located on the rear panel; relay contact (0.5 A at 20 VAC/DC and a maximum resistive load of 10VA) 36 peak volts from either pin of the relay to ground.

AC Input: 3-wire power cord with grounded plug; 1.8 m (6 ft) long.

Mechanical

Construction/Finish: Steel chassis with sheet metal cover and plastic bezel. Charcoal colored case.

Dimensions: 223 W x 280 D x 40 H mm (8.77 x 11 x 1.59 in).

Weight: 1.9 kg (4.3 lb).

Optional Rack Mount Kit: LTC 9101/00.

LTC 8712 Series

CONSOLE Port Expanders

The LTC 8712 Series "expands" an Allegiant system's CONSOLE port to permit up to 4 external computing devices to communicate with the system via RS-232 protocol. Any computing device which can normally communicate directly with an Allegiant via its RS-232 CONSOLE port can be used with these port expanders. The external devices can consist of PCs running the Allegiant system's Master Control Software package, the Philips Graphical User Interface (GUI), access control systems, LTC 8552/00 RS-232 keyboards, or other devices utilizing the Allegiant system's Command Console Language (CCL). The LTC 8712 Series can be used with the LTC 8100, LTC 8200, LTC 8300, LTC 8600, LTC 8800, or LTC 8900 Series systems containing CPU software version 6.5 or higher.

Electrical

Model No.	Rated Voltage	Voltage Range	Power
LTC 8712/60	120 VAC, 50/60 Hz	108 to 132	10 W
LTC 8712/50	230 VAC, 50/60 Hz	198 to 264	10 W

Indicators: Power and data transmission activity displayed using LEDs.

Connectors:

Inputs: One 9-pin connector; provides RS-232 interface to Allegiant bay. Two meter (6 ft) interconnect cable to main bay supplied.

Outputs: Four 9-pin connectors for RS-232 interface to up to four external devices.

AC Input: 3-wire power cord with grounded plug; 1.8 m (6 ft) long.

Mechanical

Construction/Finish: Steel chassis with sheet metal cover and plastic bezel. Charcoal colored case.

Dimensions: 223 W x 280 D x 40 H mm (8.77 x 11 x 1.59 in).

Weight: 1.9 kg (4.3 lb).

Optional Rack Mount Kit: LTC 9101/00.

LTC 8713 Series Alarm Port Expander

The LTC 8713 Series interfaces to either a LTC 8560, LTC 8600, LTC 8800, or LTC 8900 Series alarm port to permit additional LTC 8540/00 Alarm Interface units to be connected to the system. A single LTC 8713 series alarm port expander supports up to four LTC 8540/00 alarm interface units. This provides the capability for up to 256 alarm input points. Multiple LTC 8713 units may be combined to provide up to 1024 alarm input points using up to sixteen LTC 8540/00 units. The actual number of units that can be used in a system depends upon the model of the Allegiant system being used. System interconnect cable is included. A separate 12 V AC or DC, 5 watt power supply is required for each LTC 8540/00.

Alarm Capacities

Allegiant Model No.	Maximum No. of Alarms	Maximum No. of LTC 8713	Maximum No. of LTC 8540/00
LTC 8500	128	1	2
LTC 8600	512	3	8
LTC 8800	1024	5	16
LTC 8900	1024	5	16

Electrical

Model No.	Rated Voltage	Voltage Range	Power
LTC 8713/60	120 VAC, 50/60 Hz	108 to 132	10 W
LTC 8713/50	230 VAC, 50/60 Hz	198 to 264	10 W

Indicators: Power and data transmission activity displayed using LEDs.

Connectors:

Inputs: One 9-pin connector; provides RS-232 interface to main Allegiant bay. Two meter (6 ft) interconnect cable to main bay supplied.

Outputs: Four non-powered 9-pin connectors for RS-232 interface to up to four expanded LTC 8540/00 units. Data cables supplied with LTC 8540/00 are used to connect alarm interfaces to port expander. A separate 12 V AC or DC, 5 watt power supply is required for each LTC 8540/00.

AC Input: 3-wire power cord with grounded plug; 1.8 m (6 ft) long.

Mechanical

Construction/Finish: Steel chassis with sheet metal cover and plastic bezel. Charcoal colored case.

Dimensions: 223 W x 280 D x 40 H mm (8.77 x 11 x 1.59 in).

Weight: 1.9 kg (4.3 lb).

Optional Rack Mount Kit: LTC 9101/00.

LTC 8590 Series

Allegiant® Coaxial Transmission Systems (ACTS)

ACTS mixes and matches audio, video, data, and camera control and interfaces with other equipment like door strikes, request-to-exit switches and door contacts. Refer to the LTC 8590 Series data sheet for complete specifications.

LTC 8714 Series and LTC 8715 Series Keyboard Port Expanders

The LTC 8714 Series and the LTC 8715 Series are port expander accessory units used to provide additional keyboard capacity for LTC 8600, LTC 8800, or LTC 8900 Series Allegiant systems. A single LTC 8714 Series unit can be used to interface up to eight keyboards with an Allegiant system. A single LTC 8715 Series is used to interface up to four LTC 8714 Series expanders in a system. Multiple LTC 8715 Series expanders can be used along with multiple LTC 8714 Series expanders to provide up to 64 keyboards in a system. The actual number of units that can be used in a system depends upon the model of the Allegiant system.

Allegiant System Capacities

Allegiant Model No.	Maximum No. of Keyboards	Maximum No. of LTC 8714	Maximum No. of LTC 8715
LTC 8600	16	1	0
LTC 8800	32	3	1
LTC 8900	64	7	3

The above table assumes eight system keyboards are connected directly into the Allegiant CPU bay keyboard ports.

An LTC 8557 Series keyboard hookup kits are required for each expanded keyboard.

LTC 8714 and LTC 8715 port expanders can only be used on LTC 8600, LTC 8800, and LTC 8900 systems containing CPU software version 6.2 or later.

Electrical

Model No.	Rated Voltage	Voltage Range	Power
LTC 8714/60	120 VAC, 50/60 Hz	108 to 132	10 W
LTC 8715/60	120 VAC, 50/60 Hz	108 to 132	10 W
LTC 8714/50	230 VAC, 50/60 Hz	198 to 264	10 W
LTC 8715/50	230 VAC, 50/60 Hz	198 to 264	10 W

Indicators: Power and data transmission activity displayed using LEDs.

LTC 8714 Series Connectors:

Interface Data Port: One 9-pin connector provides data interface to COMM2 port of main Allegiant CPU bay or to expansion port of LTC 8715 Series. Two meter (6 foot) interconnect cable supplied.

Keyboard Data Ports: Eight 6-contact nonpowered Allegiant series keyboard cable connectors. An LTC 8557 Series keyboard hookup kits are required for each Allegiant series keyboard to be interfaced to LTC 8714 Series.

LTC 8715 Series Connectors:

Interface Data Ports: Five 9-pin connectors provide data interface to COMM2 port of main Allegiant CPU bay and data interface for up to four LTC 8714 Series units. Two meter (6 foot) interconnect cable for main bay interface supplied.

AC Input: 3-wire power cord with grounded plug; 1.8 m (6 ft) long.

Mechanical

Construction/Finish: Steel chassis with sheet metal cover and plastic bezel. Charcoal colored case.

Dimensions: 223 W x 280 D x 40 H mm (8.77 x 11 x 1.59 in).

Weight: 1.9 kg (4.3 lb).

Optional Rack Mount Kit: LTC 9101/00.

LTC 8780 Series Data Converter Units

The LTC 8780 Series are accessory units that convert the Allegiant system's biphasic control code into RS-232, and converts RS-232 back to biphasic code. This provides the capability of transmitting the control code over conventional RS-232 transmission mediums such as phone modems, fiber optics, microwaves, etc. The unit will accept the biphasic control code generated by an Allegiant main CPU bay, a LTC 8568/00 Signal Distribution unit, a LTC 5135 Series Controller Follower, or an output from a LTC 8569, LTC 8570 Series or LTC 8571, LTC 8572 Series Code Merger unit. The LTC 8780 Series are also designed to perform the Satellite selector functions in an Allegiant Satellite system configuration. In addition, using its integral signal distribution capability, the LTC 8780 Series can function as a remote distribution unit providing 15 separate outputs. As a distribution unit, wiring can be in either a "star" or "daisy chain" configuration and each output is capable of driving 8 receiver/driver loads at up to 1.5 km (5000 ft) away using 1 mm² (18 AWG) shielded-twisted pair (Belden 8760 or equivalent). Refer to separate data sheet for complete specifications.

LTC 8781 Series Time/Date Converters

The LTC 8781 Series are accessory units that decode the Allegiant system's encoded time/date information generated on the biphasic control code line and convert it into an RS-422 format using the GPS format. This time/date information can be used to interface into external time/date inserter products (such as the Kalatel KTS-53-16), which are designed to be synchronized via a GPS signal. The electrical and mechanical specifications are the same as the LTC 8780 Series units.

LTC 8782 Series Code Translator Units

The LTC 8782 Series are code translators which can convert Allegiant control code to and from other manufacturer code formats. Contact your local manufacturer's representative for additional information.

LTC 8785 Series Code Converters

LTC 8785 Series units are designed for use in existing Allegiant systems which have been upgraded to operate the new AutoDome series of cameras. The LTC 8785 units are used to provide a source of 'fixed speed' control code when the system is generating the new 'variable speed' control code preferred by the AutoDome. The LTC 8785 would receive the 'variable speed' control code from the Allegiant via its LTC 8568/00 Signal Distribution unit and convert it into appropriate 'fixed speed' control code. The 'fixed speed' control code outputs from the LTC 8785 Series connect to the older TC8561 Series receiver/drivers using the existing field cabling.

Electrical

Model No.	Rated Voltage	Voltage Range	Power
LTC 8785/60	120 VAC, 50/60 Hz	108 to 132	12 W
LTC 8785/50	230 VAC, 50/60 Hz	198 to 265	12 W

Indicators:

Power: LED.
Code: LED.

Connectors:

Inputs: One 9-pin connector.

Outputs: Sixteen 6 contact removable screw terminal blocks for code output. Maximum transmission distance is 1.5 km (5000 ft) using 1 mm² (18 AWG) shielded-twisted pair (Belden 8760 or equivalent).

AC Input: 3-wire power cord with grounded plug; 1.8 m (6 ft) long.

Mechanical

Construction/Finish: Charcoal colored metal enclosure.

Dimensions: 445 W x 318 D x 89 H mm (17.5 x 12.5 x 3.5 in). Integral mounting flanges for EIA 19-inch rack.

Weight: 5.3 kg. (11.7 lb).

LTC 8808/00 Video Interconnect Panel

The LTC 8808/00 Video Interconnect panel provides the LTC 8200, LTC 8300 Series, LTC 8600 Series, and LTC 8800 Series systems the ability of looping up to 32 video inputs per panel. This 'patch' panel contains 32 BNC connectors on its front panel for external video connections and two 16-contact ribbon connectors on its rear panel. Two 2 meter (6 foot) 16-conductor video grade ribbon cables are included for interfacing the patch panel to the video looping connectors on the rear panel of the LTC 8200, LTC 8300 Series, LTC 8600 Series, and LTC 8800 Series equipment bays.

Mechanical

Construction/Finish: Charcoal painted metal.

Size: One standard EIA 19-inch rack unit high and one unit wide. Integral mounting flange design.

Weight: 0.8 kg (1.8 lb).

LTC 8059/00 Allegiant Master Control Software for Windows®

The LTC 8059/00 Allegiant Master Control Software consists of a Windows NT®, 95, or 98 compatible program which allows quick and easy configuration of standard system features. The program provides advanced alarm and sequence programming in addition to other features which are not available using the system keyboard. An on-line real-time monitoring of system status is also included.

Other standard Master Control Software for Windows features include: user passwords, lockout tables, 64 programmable time event functions, and custom alarm responses using the VersAlarm alarm mode. In addition to the operational switching sequences normally entered from the standard keyboard, much more complex switching sequences may be programmed which incorporate remote control commands as part of the switching sequence. The ability to detect video loss (except in the LTC 8500 series Allegiant system) and to monitor the system operation in real-time on all systems is a standard feature of the Allegiant Master Control Software package.

The LTC 8059/00 Software packages includes 3 1/2-inch program disks containing Allegiant Master Control Software for Windows program, interface cable, and Users Manual for custom programming of Allegiant system.

The program requires a computer running Windows NT, Windows 95, or Windows 98, one serial port, and one parallel port.

LTC 8850 Windows Based Allegiant Software

The LTC 8850 is a software package utilizing a Graphical User Interface (GUI) to integrate and control security systems. Refer to the LTC 8850 data sheet for complete specifications.

Windows® and Windows NT® are registered trademarks of Microsoft Corporation.

IBM® is a registered trademark of IBM Corporation.

Hercules™ is a trademark of Hercules Technology.

Electromagnetic Compatibility

Model No.	EMC & Safety	Emission Class
LTC 8550 Series	CE	B
LTC 8551 Series	CE	B
LTC 8558 Series	CE	B
LTC 8554 Series	CE	B
LTC 8555 Series	CE	B
LTC 8568/00	CE	B
LTC 8768/00	CE	B
LTC 8540/00	CE	B
LTC 8560 Series	CE, UL, cUL	B
LTC 8562 Series	CE, UL, cUL	B
LTC 8563/20	CE, UL, cUL	B
LTC 8561 Series	CE, UL, cUL	B
LTC 8564/20	CE, UL, cUL	B
LTC 8566 Series	CE, UL, cUL	B
LTC 8569 Series	CE, UL, cUL	B
LTC 8570 Series	CE, UL, cUL	B
LTC 8571 Series	CE, UL, cUL	B
LTC 8572 Series	CE, UL, cUL	B
LTC 8590 Series	CE, UL, cUL	B
LTC 8770 Series	---	A
LTC 8712 Series	CE	B
LTC 8713 Series	CE	B
LTC 8714 Series	CE	B
LTC 8715 Series	CE	B
LTC 8780 Series	CE	B
LTC 8781 Series	CE	B
LTC 8785 Series	CE, UL, cUL	B

9498 961 06313 00-32
Printed in U.S.A.

© 2000 Philips Electronics N.V.
© 2000 Philips Communication, Security & Imaging, Inc.
All Rights Reserved. Philips ® is a registered trademark of
Philips Electronics N.V.
Data subject to change without notice



PHILIPS

Let's make things better.