LTC 8782 Series Code Translator

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BOSCH

Invented for life

▶ Supports many CCTV manufacturers' protocols

▶ Provides full pan/tilt/zoom (PTZ) code conversions

▶ Incorporates front panel diagnostic indicators

▶ Convenient EIA 48 cm (19 in.) rack-mount included

The LTC 8782 Series Code Translators are accessory units that convert Biphase code to other manufacturers' control codes, or converts other manufacturers' codes to Biphase. Many of the most popular protocol codes are supported, including Pelco, American Dynamics, and Vicon. Fixed and variable speed codes are supported where applicable. The LTC 8782 Series Code Translators have four independent outputs. Removable screw terminal blocks are used for input and output connections. Front panel LEDs indicate the status of power, data receive, and data transmit. The translator comes supplied in an EIA 48 cm (19 in.) rack-mount adapter that can hold up to three units.

System overview

Biphase to "Others" Code

Model No.[1]	Manufacturer's Protocol
LTC 8782/60-02	American Dynamics–Manchester
LTC 8782/x0-10	Pelco–RS-422
LTC 8782/50-12	Philips–RCL

1. x = 6 for 120 VAC and 5 for 230 VAC

"Others" to Biphase Code

Model No.[2]	Manufacturer's Protocol
LTC 8782/60-22	American Dynamics–Manchester
LTC 8782/x0-30	Pelco–RS-422
LTC 8782/60-21	Vicon–RS-422

2. x = 6 for 120 VAC and 5 for 230 VAC

Functions

Bosch Biphase Code to "Others"

LTC 8782/60-02–Bosch Biphase to American Dynamics Manchester
The LTC 8782/60-02 is a Biphase to American Dynamics code translator to permit control of American Dynamics receivers from Biphase controllers. It receives Biphase code and transmits the appropriate commands in American Dynamics Manchester protocol. The translator can be programmed by internal switches to do the following:

- Offset the Biphase addresses to one of 64 American Dynamics address blocks that support up to 64 cameras each. In large systems, 64 translators can be used to support up to 4,096 cameras.
- Support fixed or variable speed American Dynamic protocol.

LTC 8782/x0-10–Bosch Biphase to Pelco RS-422

The LTC 8782/x0-10 is a Biphase to Pelco code translator to permit control of Pelco receivers from Biphase controllers. It receives Biphase code and transmits the appropriate commands in Pelco RS-422 protocol. The translator can be programmed by internal switches for the following:

- Support Pelco "P" or "D" output code.
- Support up to 256 addresses in "D" code, and 16 or 32 addresses in "P" code.
- Support Pelco output baud rate of 2400 in "D" code.
- Support Pelco output baud rate of 4800 or 9600 in "P" code.
- Support Pelco "turbo speed."

LTC 8782/50-12–Bosch Biphase to Philips RCL

The LTC 8782/50-12 is a Biphase to Philips RCL code translator to permit control of Philips RCL receivers from Biphase controllers. It receives Biphase code and transmits the appropriate commands in Philips RCL protocol.

"Others" to Bosch Biphase Code

LTC 8782/60-22–American Dynamics Manchester to Bosch Biphase

The LTC 8782/60-22 is an American Dynamics to Biphase code translator to permit control of Biphase receivers from American Dynamics controllers. It receives American Dynamics Manchester code and transmits the appropriate commands in Biphase protocol. Supports full range of Bosch Biphase Aux and preposition numbers. The translator can be programmed by internal switches for the following:

- Offset the 64 camera American Dynamic address block to one of 32 Biphase address blocks that support up to 64 cameras each. In large systems, 32 translators can be used to support up to 2,048 cameras.
- Accept fixed or variable speed American Dynamics code.
- Generate fixed or variable speed Biphase code.

LTC 8782/x0-30–Pelco RS-422 to Bosch Biphase

The LTC 8782/x0-30 is a Pelco to Biphase code translator to permit control of Biphase receivers from Pelco controllers. It receives Pelco RS-422 code and transmits the appropriate commands in Biphase protocol. Supports full range of Bosch Biphase Aux and preposition numbers. The translator can be programmed by internal switches to do the following:

- Generate fixed or variable speed Biphase code.
- Accept Pelco "P" or "D" output code.
- Support 4800 or 9600 baud in Pelco "P" code.
- Support 2400 baud in Pelco "D" code.
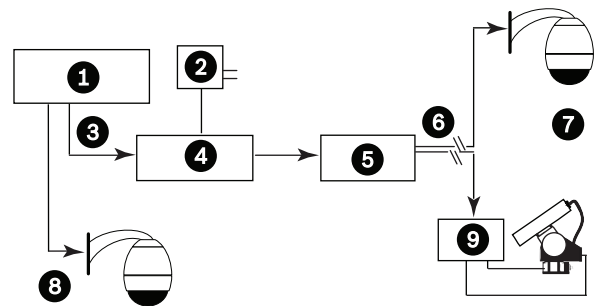
LTC 8782/60-21–Vicon RS-422 to Bosch Biphase

The LTC 8782/60-21 is a Vicon to Biphase code translator to permit control of Biphase receivers from Vicon VPS controllers. It receives Vicon RS-422 code and transmits the appropriate commands in Biphase protocol. Supports full range of Bosch Biphase Aux and preposition numbers. The translator can be programmed by internal switches to do the following:

- Generate fixed or variable speed Biphase code.
- Accept fixed or variable speed Vicon code.
- Support 4800 or 9600 Vicon baud rates.
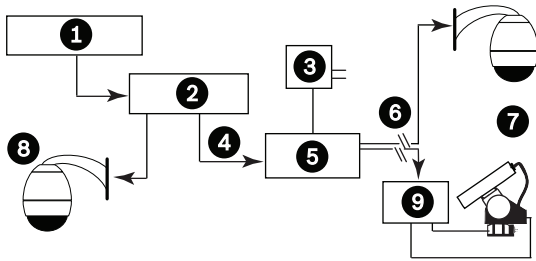
Certifications and approvals

Power Supply	
Product Safety	Complies with CE regulations, UL, CSA, EN and IEC Standards

LTC 8782 Series Translator	
Electromagnetic Compatibility (EMC)	Complies with FCC Part 15, ICES-003 and CE regulations

Installation/configuration notes

Typical Biphase to "Others" Configuration

#	Description
1	Bosch Controller Generating Biphase Code
2	Biphase Code
3	Power Supply
4	LTC 8782 Translator
5	"Others" Code Distribution
6	"Others" Control Code
7	"Others" Dome and P/T/Z Cameras
8	Bosch Dome Camera
9	"Others" Receiver/Driver

Typical "Others" to Biphase Configuration

#	Description
1	"Others" Controller
2	"Others" Code Distribution Unit
3	Power Supply
4	"Others" Code
5	LTC 8782 Translator
6	Biphase Control Code
7	Bosch Dome and P/T/Z Cameras
8	"Others" Dome Camera
9	Allegiant Receiver/Driver

Parts included

Qty.	Components
1	Code Translator Unit
1	Power Supply
	LTC 8782/60 Series: UPA-1509-60
	LTC 8782/50 Series: UPA-1509-50
1	Plastic Bezel
1	Rack-mount Hardware Kit
1	Instructions for Use

Technical specifications

Electrical

Input Voltage (Adapter Included)

LTC 8782/60 Series	120 VAC
LTC 8782/50 Series	230 VAC
Voltage Range	
LTC 8782/60 Series	100−132 VAC
LTC 8782/50 Series	198−264 VAC

Translator Model Number	Voltage Range @ Specified Current
LTC 8782/x0-10	9−18 VAC/VDC @ 300 ma
LTC 8782/60-12	
LTC 8782/60-02	12−18 VAC/VDC @ 150 ma
LTC 8782/60-21	
LTC 8782/60-22	
LTC 8782/x0-30	

Environmental

Temperature

Operating	4°C to 50°C (39°F to 122°F)
Storage	−40°C to 70°C (−40°F to 158°F)
Humidity	< 90% non-condensing

Mechanical

Finish	Black
Dimensions (H x W x D)	4.1 x 14.0 x 14.0 cm (1.6 x 5.5 x 5.5 in.)
Weight	0.7 kg (1.5 lb)
Rack-mount Kit (included)	For EIA 48 cm (19 in.) rack. One (1) unit high rack kit will hold up to three (3) units across.
Dimensions (H x W)	4.5 x 48.3 cm (1.8 x 19.0 in.)
Connectors	Screw terminals

Ordering information

LTC 8782/50-10 Code Translator
Biphase to Pelco RS422 code translator, 230 VAC, 50/60 Hz
Order number **LTC 8782/50-10**

LTC 8782/50-12 Code Translator
Biphase to RCL translator, 230 VAC, 50/60 Hz
Order number **LTC 8782/50-12**

LTC 8782/50-30 Code Translator
Pelco to Biphase translator, 230 VAC, 50/60 Hz
Order number **LTC 8782/50-30**

LTC 8782/60-02 Code Translator
Biphase to American Dynamics Manchester, 120 VAC, 50/60 Hz
Order number **LTC 8782/60-02**

LTC 8782/60-10 Code Translator
Biphase to Pelco code translator, 120 VAC, 50/60 Hz
Order number **LTC 8782/60-10**

LTC 8782/60-21 Code Translator
Vicon RS-422 to Biphase translator, 120 VAC, 50/60 Hz
Order number **LTC 8782/60-21**

LTC 8782/60-22 Code Translator
American Dynamics Manchester to Biphase translator,
120 VAC, 50/60 Hz
Order number **LTC 8782/60-22**

LTC 8782/60-30 Code Translator
Pelco to Biphase translator, 120 VAC, 50/60 Hz
Order number **LTC 8782/60-30**