

## INTELLILIGHT

### STOP STANDING IN THE DARK

We all know of beautiful model railway layouts which are lit by fluorescent or halogen lamps and give no real impression of a landscape in the daylight to.

IntelliLight gives you realistic lighting for your model railway layout. IntelliLight lights up your layout to match the time of day and the weather.

- Change between day and night
- Different lighting situations:
  - clear sky, cloudy appearance, rain and thunderstorm
  - With a photo-flash and IntelliSound module: "rain and thunderstorm"
- Usable in analog and digital layouts
- IntelliLight is powered with a normal model railway transformer
- The modular construction can be individually adapted to each layout

#### Functions

The day in the model railway layout begins with a dawn. The sun then rises after a magnificent morning red. If the sun then goes down after an eventful day, the moon then washes the entire layout in a mysterious silvery light.

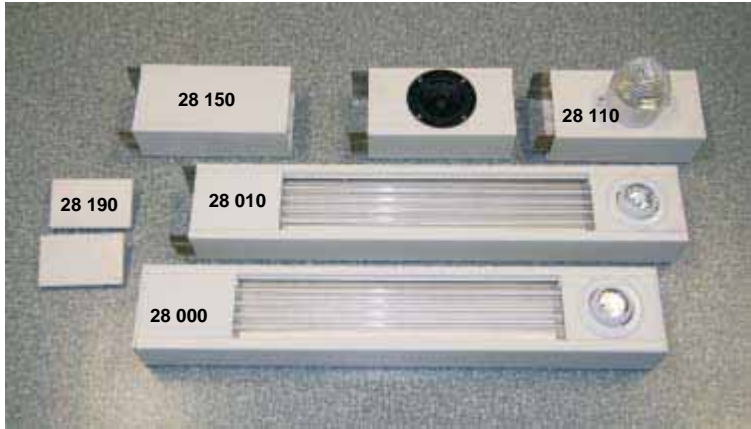
According to the weather conditions there is radiantly beautiful and gloomy weather. Now and then it rains or a thunderstorm develops and it flashes and thunders.

The day's routine is started when switching the layout on with an adjustable timer. The type of lighting depends on the time and cloudy appearance. Thunderstorms and rain appear according to random number generator or by the push of a button.

Depending upon the programming a day passes in 24 hours or up to 20 times faster, therefore in approximately 1¼ hours. The lighting can be switched manually or controlled automatically according to time.

All time periods are pre-programmed and can be changed in duration and intensity according to ones own desires by LNCV programming.

Can be used in analog and in digital layouts. Can be powered the with a normal model railway transformer.



#### Connection with digital and analog layouts

Our IntelliLight lighting system is powered by a separate model railway transformer. In combination with a digitally controlled model railway facility, which is controlled by a digital center with LocoNet interface (IntelliBox, TwinCenter or Piko Power box), it is connected to the LocoNet. Then the day/night transitions, as well as the meteorological phenomena can be triggered by instruction via LocoNet.

The lighting can be controlled by the push of a button from the control center. Furthermore it is possible for IntelliLight to switch the road or house lighting that is installed on the layout on and off at the correct time.

The configuration of the IntelliLight is programmed from the digital center using LocoNet programming. So all timing can be changed according to one's own desires.

If IntelliLight used with a model railway without LocoNet (analog or digital), then it is possible to attach key switches to the system with which is can be controlled. If such layouts are also fitted with LocoNet switch module 63 410 the light system and the lighting for roads and houses are connected, then these can be switched on and off at the correct time.

#### The Components

**Basic unit:** with the electronic control, two white, a red and a blue CCFL tube and a halogen flood lamp. Allowing connection of as many add-on units as desired. Including two end caps it measures (L x B x H): 600 x 105 x 66 mm. Add-on unit white: with four white tubes and a halogen flood lamp, including the connecting piece and cable. Power requirement approx. 27VA.

**Coloured Add-on unit:** with two white, a red and a blue CCFL tube and a halogen flood lamp including connecting piece and cable. Power requirement approx. 27VA.

**Lightning and sound Add-on unit:** a unit with photo flash and a unit with loudspeaker and IntelliSound module "rain and thunderstorm". Included: 2 connecting pieces and cables. Power requirement approx. 43VA.

**Empty channel Add-on unit:** 3 units for length adjustment of the lighting. Included: 3 connecting pieces and cables.



For our demonstration layout of approx. 2.5 x 1 m one basic unit and two white add-on units with the "lightning & sound" extension were combined.



All units were connected together at a height of 1 m above the layout at an angle of 45°. Thus the layout and also the background are optimally lit.

**Part No. 28 000** Basic unit, 60 cm

**Part No. 28 010** White Add-on unit, 60 cm

**Part No. 28 020** Coloured Add-on unit, 60 cm

**Part No. 28 110** Lightning & Sound Add-on unit, 2 x 20 cm

**Part No. 28 150** Empty channel Add-on unit, 3 pieces 20 cm

**Part No. 28 190** End caps, 2 pieces



#### UHLENBROCK CD-ROM 2005/06

Under the title "Technology for Model Railways" you will find our products, all descriptions and manuals, FAQ's, Tips and much more.

Part No. 18 050

#### CATALOG 2005/06

You can obtain our catalog for 3,50 EUR from your distributor, or directly from us against by sending 5,00 EUR in stamps or order via the InterNet on our homepage.

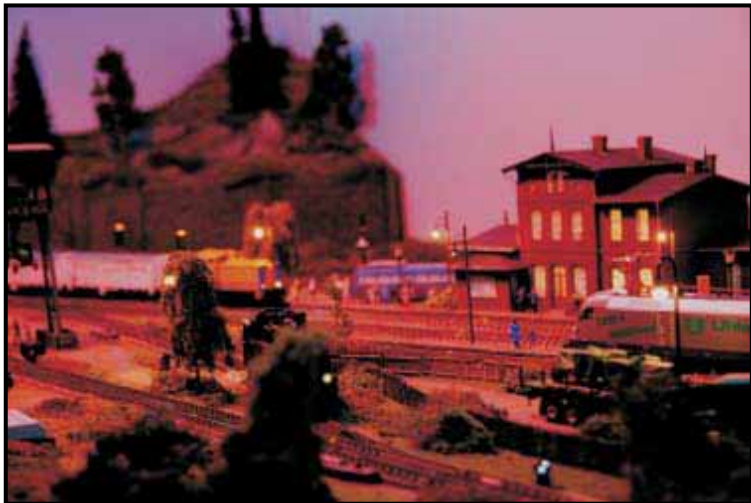
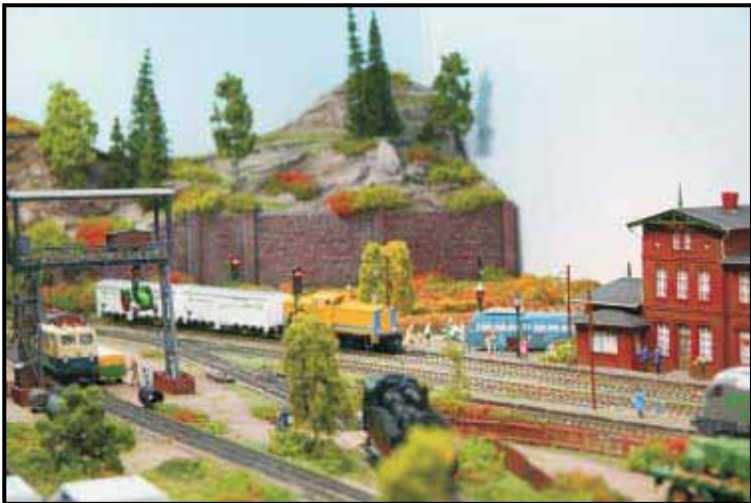
#### WWW.UHLENBROCK.DE

For the best actual information about the IntelliBox, a price or dealer list or various publications in PDF format for download visit our website.

Your Distributor:

Uhlenbrock Elektronik GmbH  
Mercatorstr. 6 • 46244 Bottrop  
Hotline: 02045-8583-27  
Internet: [www.uhlenbrock.de](http://www.uhlenbrock.de)

All our products have a two year warranty.  
We reserve the right to change details in this prospectus at any time and without notice.  
The name Marken is a registered trademark of that company.

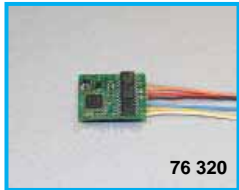




## IntelliDrive Comfort H0

### MULTI-PROTOCOL LOCO DECODER WITH LOAD REGULATION

- For DCC and Motorola
- Suitably for DC and bell armature motors
- Quiet running using 18.75 kHz engine control
- 14, 27, 28, 128 speed steps depending on data format
- Short (1-127) and long (128-9999) addresses
- Minimum, maximum and medium speed adjustable
- Main line programming (DCC)
- Shunting speed (half speed) via F3
- Adjustable acceleration and brake inertia via F4
- Travel direction dependent lighting, dimmable, switched with F0
- Reacts to a DCC conforming brake signal or brake section with DC voltage
- All outputs have short circuit protection
- All CV's are programmable with digital devices using either DCC or Motorola formats
- In DCC systems, programmable by Register, direct CV or Page programming
- Conventional DC or AC operation with automatic switch over
- Output load up to 1 A, each output up to 1 A
- Size 19 x 16 x 5mm



**Part No. 76 320** with 8-pin NEM 652 Interface  
Delivery schedule: March 06

## IntelliDrive Comfort Mini

### MULTI-PROTOCOL LOCO DECODER WITH LOAD REGULATION

- Output load up to 0.6 A, each output up to 0.5 A
- With connector for SUSI or LISSY
- Size only 10.8 x 7.5 x 2.4 mm
- Other features such as IntelliDrive Comfort H0

**Part No. 73 400** with soldering connections

**Part No. 73 410** with 6-pin NEM 651 Interface  
Delivery schedule: March 06



Presently the market's  
smallest loco decoder

## IntelliDrive Comfort Mini

### MULTI-PROTOCOL FUNCTION DECODER

- For DCC and Motorola
- With four special function outputs
- The outputs can be setup as
  - travel direction dependent switching, e.g. for rail motors,
  - time limited switching, e.g. for electric couplings,
  - cyclic switching, e.g. as flashing generator for Swiss tail lights,
  - in pairs, output a PWM voltage, e.g. Dimming for 5V lamps
- Function mapping to support 32000 special functions under DCC
- Programmable by CV (DCC) and Motorola digital center
- Loads up to 0.6 A, each output up to 0.5 A
- Size only 10.8 x 7.5 x 2.4 mm

**Part No. 73 900** with soldering connections

Delivery schedule: April 06



### THIS IS HOW THE REAL TRAIN SOUNDS

## IntelliSound

- Now about 1/3 smaller
- Size only 20.8 x 11.8 x 5 mm
- Available with each sound from our sound library

For detailed description and sound list see separate leaflet.

**Part No. 32 100** IntelliSound module for the individual programming of

**Part No. 32 400** IntelliSound module with sound

Delivery schedule: June 06



### LISSY INFO

#### THE LOCO-INDIVIDUAL STEERING SYSTEM

LISSY consists of an Infrared Transmitter, which are installed under the vehicle, and a receiver module, whose both infrared sensors are built into the track.

The locomotive address and train category output by Infrared Transmitter are recognized by the receiver and conveyed to the LocoNet. Without the use of a computer different automatic control functions can be implemented:

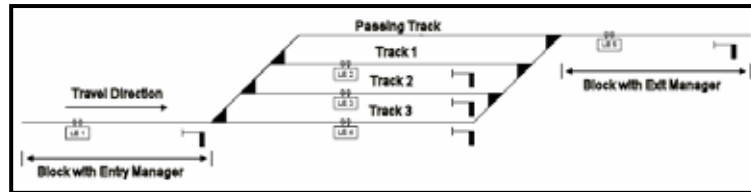
Train recognition • Block control • Shuttle train control • Train-dependent shadow station control • Speed measurement • Train ntrol (switches situation dependent the special functions of different locomotives).

The LISSY works without track isolation, without additional components and without the use of a computer. It can easily be installed into model railway layouts later.

### SHADOW STATION CONTROL

#### UNIVERSAL STATION CONTROL WITH LISSY

- For stations with digitized turnouts
- Pre-configured LISSY receiver for a 3 track station with passing track or as station and extension for 5 auxiliary tracks
- Includes LISSY transmitters for 5 vehicles
- Applicable with Intellibox, TwinCenters and Piko Power Box



In this special edition the LISSY receiver is pre-configured for a 3 track station with a passing track, so that the station can be put into service directly after installation of the receiver in the layout.

Two receivers take on the tasks as Entry and Exit manager, 3 receivers control the different tracks.

The receivers can only be reprogrammed for use as a station controller, e.g. as station extension for 5 auxiliary tracks.

Contents: 5 LISSY receivers, 5 LISSY transmitters, 2 LocoNet cables 2.15 m, 3 LocoNet cable 28 cm, 1 LocoNet 5 way distributor, 1 LocoNet extension (1 male/2 Female) 2.15 m, the LISSY manual and a special guide for the installation and the operation of the shadow station control.

**Part No. 68 020** Shade Station Control

Delivery schedule: June 06

### LISSY RECEIVER

#### NOW WITH NEW AUXILIARY FUNCTIONS

- Locomotive specific stopping time in automatic operation
- Station control now with passing track
- Entry of the passing track can be locomotive specific or by a button push
- In automated systems, several locomotive special functions can now be switched separated by time delays



**Part No. 68 610** LISSY

Delivery schedule: June 06

### LOCONET SWITCH MODULE

#### LAMPS, SWITCHES AND SIGNALS SWITCHING

- With 20 switch outputs at 1A
- Each output can be independently configured as a continuous output (for lamps) or momentary output (for turnouts or signals).
- Separate transformer connection means no load on the digital supply
- All outputs can be switched by solenoid commands
- Continuous outputs can also be switched by feedback commands.
- With 2 independently adjustable flashers, each output can be assigned to either flash generator (e.g. for the warning light at the level crossings) or both flash generators (e.g. for the signal light at building sites or for a welding light).
- Configurable from the control center by LocoNet CV.
- The addresses for each output are freely selectable in the 1-2048 address range



**Part No. 63 410** LocoNet Switch module

Delivery schedule: July 06

## IntelliLight

We do not leave  
you in the dark



### NEW ITEMS 2006

- |                                                                       |                                                                                      |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ■ <b>IntelliLight</b><br>Put every Model Railway into the right light | ■ <b>IntelliDrive Comfort HO</b><br>In a new definitely smaller version              |
| ■ <b>IntelliDrive Comfort HO</b><br>New HO locomotive decoder         | ■ <b>LISSY</b><br>Now with extended functions                                        |
| ■ <b>IntelliDrive Comfort Mini</b><br>New HO locomotive decoder       | ■ <b>Shadow Station Control</b><br>with LISSY                                        |
| ■ <b>IntelliDrive Comfort HO</b><br>N-Function decoder                | ■ <b>LocoNet Switch Module</b><br>Switch lamps, turnouts and signals via the LocoNet |