

## COMTEC HDROP-05

# COMTEC HDROP-05 Parking Surveillance Direct Wiring Unit Instruction Manual

## 1. INTRODUCTION

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The COMTEC HDROP-05 is a direct wiring unit designed to enable parking surveillance functionality for compatible COMTEC drive recorders. This unit provides continuous or intermittent power supply to your drive recorder, allowing it to record events even when your vehicle is parked. It features a built-in G-sensor to detect impacts and ensure recording during critical moments. By connecting directly to your vehicle's ACC or IG line, it offers a clean installation without using the cigarette lighter socket.

**Important:** This product is designed exclusively for use with compatible COMTEC drive recorders. Connecting it to other products may result in malfunction or damage. Please verify compatibility on the COMTEC official website before use.

## 2. KEY FEATURES

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- **Extended Recording:** Enables up to 12 hours of parking surveillance recording.
- **Impact Detection:** Built-in G-sensor ensures power supply and recording when an impact is detected.
- **Customizable Operation:** Settings for continuous operation time, intermittent operation time, and impact-only power supply can be configured via DIP switches on the main unit.
- **Direct Power Connection:** Connects directly to the vehicle's ACC or IG line for a tidy installation, eliminating the need for the cigarette lighter socket.
- **Battery Protection:** Automatically stops operation if the vehicle battery voltage drops below a set level, preventing battery drain.
- **Recording Management:** In parking surveillance mode, if an impact is detected, the mode will end 5 minutes after detection to protect recorded data from being overwritten. This setting can also be adjusted to prevent termination. Older footage is automatically overwritten when the recording limit is reached.

## 3. SETUP AND INSTALLATION

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The HDROP-05 unit is designed for direct wiring to your vehicle's electrical system. Professional installation is recommended to ensure correct wiring and prevent damage to your vehicle or the unit.

### 3.1 Wiring Connections

- **Power Supply Cable:** Approximately 5 meters in length.
- **ACC Power Cable:** Approximately 1.3 meters in length. Connects to the vehicle's Accessory (ACC) power line.
- **Constant Power Cable:** Approximately 1.3 meters in length. Connects to a constant power source in the vehicle.
- **Ground Terminal Cable:** Approximately 1.0 meter in length. Connects to a suitable ground point on the vehicle chassis.

Ensure all connections are secure and properly insulated. Refer to your vehicle's service manual for identifying appropriate ACC, IG, and ground points.

### 3.2 Product Overview



できます。その他の製品に接続した場合、故障、破損の原因となります。

- 本製品は車両の常時電源を使用するため、車両バッテリーへの負荷がかかります。定期的に車両バッテリーの点検を行ってください。
- 次の方は車両バッテリー上がりの原因になりますのでご使用を控えてください。(毎日乗車しない・1日の走行が1時間以下・車両バッテリーを1年以上使用している)
- 車両バッテリー上がりに関して、弊社は一切の責任を負いかねますのでご了承ください。

**保証書在中**

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サービス付!

※弊社ドライブレコーダーと組み合わせて使用する場合に限ります。  
※購入後1ヶ月以内に登録しなかった場合補償サービスは受けられません。  
詳しくは弊社HPをご確認ください。

<http://www.e-comtec.co.jp>

This image shows the COMTEC HDROP-05 direct wiring unit. It is a compact device designed to manage power supply for parking surveillance. The unit typically includes various cables for connection to the vehicle's electrical system, such as ACC, constant power, and ground wires. The main body houses the control circuitry and DIP switches for configuration.

## 4. OPERATING INSTRUCTIONS

### 4.1 Parking Surveillance Modes

The HDROP-05 allows your compatible COMTEC drive recorder to operate in various parking surveillance modes:

- **Continuous Operation:** The drive recorder records continuously for a set duration after the vehicle is turned off.
- **Intermittent Operation:** The drive recorder records in intervals for a set duration.
- **Impact-Only Recording:** The drive recorder remains in standby and only begins recording when an impact is detected by the built-in G-sensor.

### 4.2 DIP Switch Settings

The specific settings for continuous operation time, intermittent operation time, and impact sensitivity are configured using the DIP switches located on the HDROP-05 unit. Refer to the detailed instructions provided with your COMTEC drive recorder or on the COMTEC website for the exact configuration of these switches to match your desired parking surveillance mode.

### 4.3 Recording Management

- **Impact Event Protection:** If an impact is detected during parking surveillance mode, the system is designed to terminate parking surveillance 5 minutes after the impact event. This measure helps prevent critical impact footage from being overwritten by subsequent recordings. This termination setting can be adjusted if continuous recording after impact is preferred.
- **Automatic Overwrite:** When the storage capacity of the drive recorder's memory card is full, the oldest recorded data will be automatically overwritten to make space for new recordings.

## 5. MAINTENANCE

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The HDROP-05 unit utilizes your vehicle's constant power supply, which places a load on the vehicle battery. To ensure optimal performance and prevent unexpected battery issues, it is crucial to:

- **Regularly Inspect Vehicle Battery:** Have your vehicle battery inspected periodically by a qualified technician.
- **Monitor Battery Health:** Pay attention to any signs of battery weakness, especially during cold weather or if the vehicle is not driven frequently.

## 6. TROUBLESHOOTING

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### 6.1 Unit Not Operating / Drive Recorder Not Recording

- **Battery Voltage Protection:** The unit is equipped with a battery protection function. If the vehicle battery voltage drops below the preset threshold, the unit will automatically stop operation to prevent complete battery drain. Check your vehicle's battery health.
- **Incorrect DIP Switch Settings:** Verify that the DIP switches on the HDROP-05 are configured correctly for your desired parking surveillance mode. Refer to the operating instructions.
- **Loose Connections:** Check all wiring connections (ACC, constant power, ground) for looseness or corrosion.

### 6.2 Vehicle Battery Drain

While the HDROP-05 has a battery protection feature, prolonged use in certain conditions can still lead to battery drain. Refrain from using the parking surveillance function under the following circumstances:

- If you do not drive your vehicle daily.
- If your daily driving duration is less than 1 hour.
- If your vehicle battery has been in use for more than 1 year.

COMTEC is not responsible for vehicle battery drain. Regular battery inspection is recommended.

## 7. SPECIFICATIONS

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|-------------------------------------|---------------------|
| <b>Manufacturer</b>                 | COMTEC              |
| <b>Model Name</b>                   | HDROP-05            |
| <b>Product Model Number</b>         | HDROP-05            |
| <b>Package Dimensions</b>           | 18.6 x 7.7 x 5.1 cm |
| <b>Item Weight</b>                  | 142 g               |
| <b>Power Supply Cable Length</b>    | Approx. 5m          |
| <b>ACC Power Cable Length</b>       | Approx. 1.3m        |
| <b>Constant Power Cable Length</b>  | Approx. 1.3m        |
| <b>Ground Terminal Cable Length</b> | Approx. 1.0m        |

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| <b>ASIN</b>                 | B01HTDQYLO |
| <b>First Available Date</b> | 2016/06/30 |

## 8. WARRANTY AND SUPPORT

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### 8.1 Compensation Service

This product includes a unique compensation service. In the event of an accident, COMTEC will pay a flat rate of 20,000 JPY as condolence money for one year from the date of registration. Please note the following conditions:

- This service is only applicable when used in combination with a compatible COMTEC drive recorder.
- The compensation service will not be available if the product is not registered within one month of purchase.

For full details and terms of the compensation service, please visit the official COMTEC website.

### 8.2 Official Support

For further information, compatible products, and detailed support, please visit the COMTEC official website:

<http://www.e-comtec.co.jp>

A warranty certificate is included with the product.