

## Two new fitting options for SmartLogic relays

### Plug-in Bypass Relay: Convenience plus New Functions

#### Interchangeable plug-in system

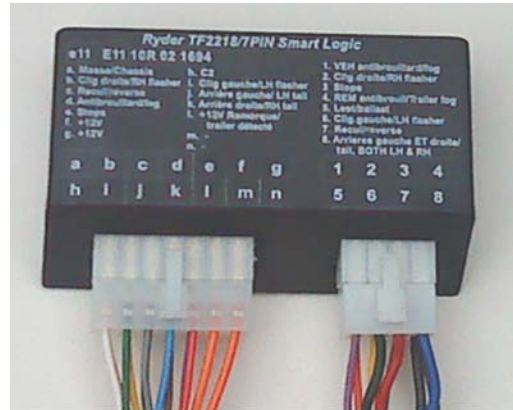
- Change relay in seconds
- One relay – many loom configurations
- Can be tailored to any vehicle
- Optimum stock holding

#### Fog cut-out as optional function

- Keeps vehicle isolated from trailer when fog cut-out operates
- Can cut out two vehicle fog lights
- Suppresses “bulb-failure” warning

#### Trailer detect function

- Gives a 12 volt output when a trailer\* is connected (\*Assuming the trailer has lights on good order)
- Output protected against shorting
- Will switch rear parking sensor cut-off



### The new TF2218/7EPIN plug-in relay

Brings a new dimension to our SmartLogic programme. Its new functions meet two increasing demands from customers for: **fog cut-out** when towing and **parking sensor cut out** when the trailer is connected.

## Developed for the continental market, “6-20” relay has “Split” loom and optional pre-fit connectors



TF2218/7E620-S with connectors  
TF2218/7E620-P with plain wires

### “Split” loom reaches across vehicle

Two of the relay’s signal wires are 2 metres long and the rest are 600mm. This allows fitting across the car without the need to add cable.

### Pre-fit connectors snap onto vehicle’s loom

All the signal wires are pre-fitted with fully-insulated male tab connectors that will push into the matching “snap-on” connectors supplied.



The snap-on connectors clip onto the vehicle loom and the male tabs push in.

## You can use output fuses to protect bypass relays against shorts in the trailer wiring

### Most so-called “faulty” relays are damaged by faults in trailer wiring

When relays come back to us as “faulty”, we test them to see what went wrong. The vast majority have been damaged by overloads or short circuits. Overloads and short circuits mostly happen in the trailer: a few happen because of damage to the 7-pin (13-pin) socket.

#### Free replacement – expensive hassle

We replace most relays, free of charge, without any quibble, but the relay failure has caused you, the fitter, some considerable hassle.

#### Twin input fusing has reduced the problem

With the new-shape TF2218/7 bypass, we have radically reduced failures and returns to us. The twin fusing on the 12 volt input wires protects the relay well. But you may still be called out and still have to convince your (angry) customer that the trailer is causing the problem.

#### Hard-working trailers

For well-maintained caravans and some light trailers, the problem is unlikely to arise. But for hard-working builders’ and other commercial trailers, and for boat trailers likely to be backed into water, the problem can recur often.

#### Fuse the outputs

If, when you are fitting a towbar to a vehicle likely to tow a “hard-working” trailer, you put fuses on the outputs, not only will you protect the relay completely, but your customer will be able to see that the problem is “down the line” – in the trailer AND identify which circuit is causing it.

#### Cost: £1.39

To fit 6 TV164 Snap-on fuseholders with 6 TV165(5) 5 amp blade fuses would cost £1.39.

Turn the page to see the new plug-in relay,  
**TF2218/7EPIN**

### Back to lower carriage charge.

With immediate effect, we are again lowering our minimum carriage-free order value, to £200. We will review it again when the 2010 season gets going.

### BMW X5 & X3 copy Audi A4?

We have it on good authority that the latest X5 and X3 now require significant upgrades before they can safely tow. If it really is like the Audi, it will be an expensive business.

#### Ask the Dealer

We suggest you ask the dealer about this if you are asked to fit a bar to a new X5 or X3. Feedback welcome.

### CarData Latest

New or updated pages, June - Oct 2009

Make	Model	Year	New	Partial or Revised
Audi	Q5	2009	y	
BMW	X5	2008		y
Citroen	C3 Picasso	2009	y	
Citroen	C5	2008		y
Citroen	C8	2008		y
Citroen	Relay	2009	y	
Ford	Fiesta	2009	y	
Hyundai	I30	2007	y	
Hyundai	I10	2009	y	
Mitsubishi	L200	2008	y	
Peugeot	308 Hatch	2007	y	
Peugeot	207 SW	2007	y	
Range Rover	Sport	2005		y
Toyota	Avensis	2009	y	
Vauxhall	Insignia	2009	y	

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