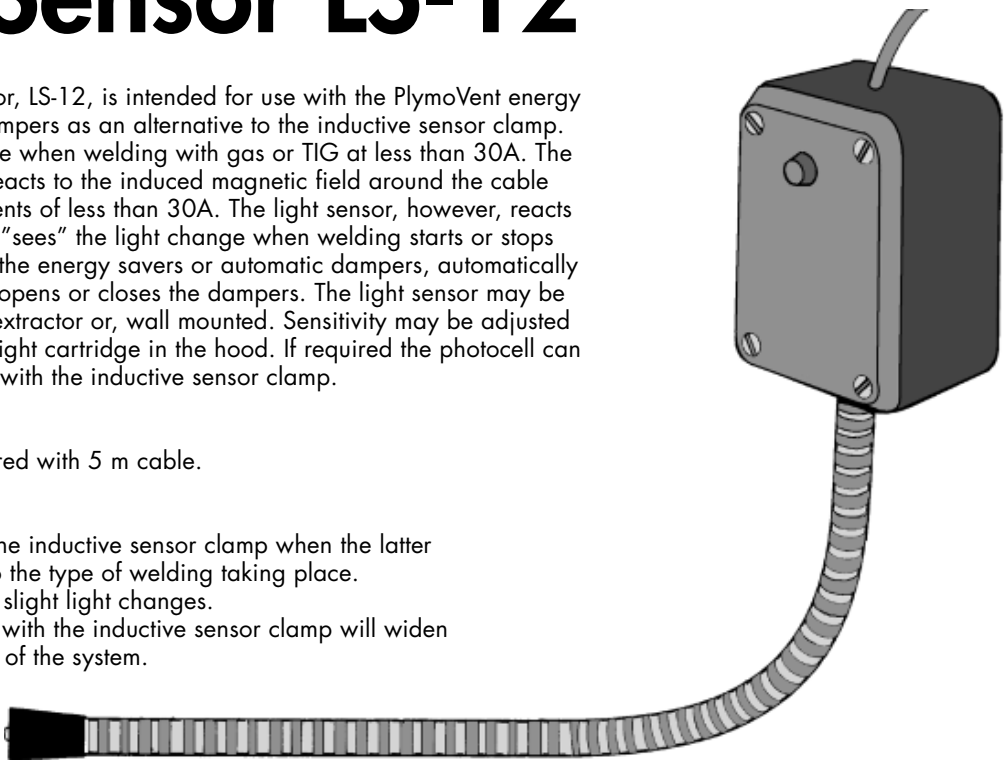
PLYMOVENT®	SCHEDA TECNICA	BSAB no: U0.14 Ser.no: LS-12/TB Date: Sept-97 Replace: Jan -95
Light Sensor LS-12	© Copyright 1997: All rights reserved. Nothing from this publication may be reproduced, handed over, copied, or translated into other language, in any form or means without written permission from PlymoVent AB. PlymoVent AB reserves the right to make design changes. For more information contact PlymoVent customer service; Tel +46 40 30 31 30, Fax +46 40 30 31 40.	

Light Sensor LS-12

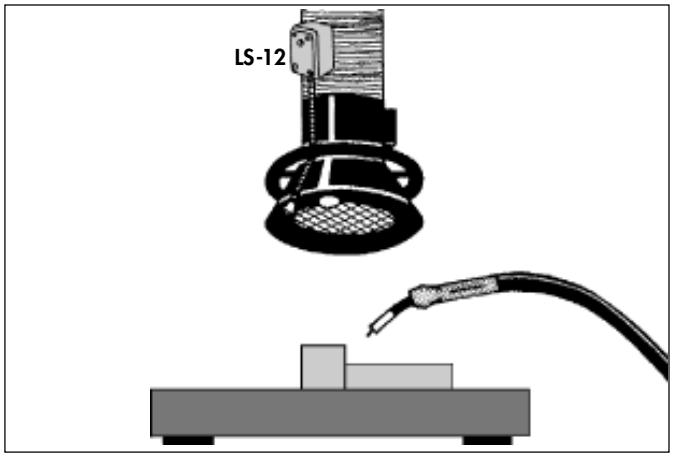


The PlymoVent light sensor, LS-12, is intended for use with the PlymoVent energy savers and automatic dampers as an alternative to the inductive sensor clamp. It is used as an alternative when welding with gas or TIG at less than 30A. The inductive sensor clamp reacts to the induced magnetic field around the cable and is insensitive to currents of less than 30A. The light sensor, however, reacts to slight light changes. It "sees" the light change when welding starts or stops and, in conjunction with the energy savers or automatic dampers, automatically starts or stops the fan or opens or closes the dampers. The light sensor may be fitted to the hood of the extractor or, wall mounted. Sensitivity may be adjusted so as not to react to the light cartridge in the hood. If required the photocell can be connected in parallel with the inductive sensor clamp.

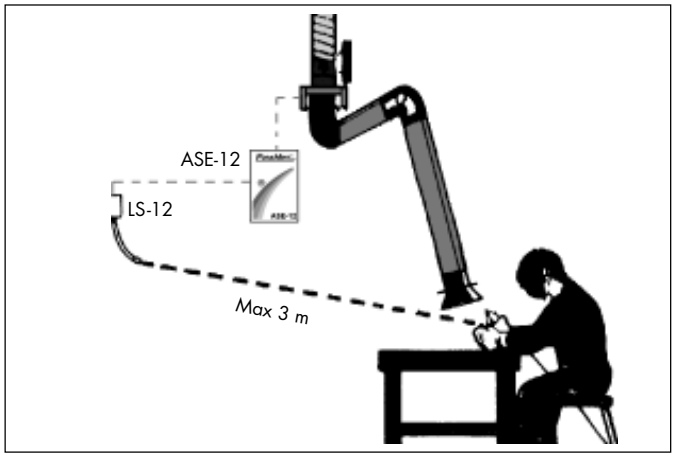
Delivery
The light sensor is delivered with 5 m cable.

Advantages
- Perfect alternative to the inductive sensor clamp when the latter cannot be used due to the type of welding taking place.
- Reacts immediatley to slight light changes.
- Connected in parallel with the inductive sensor clamp will widen the spectrum of usage of the system.
- Simple to mount.

Installation alternatives



The light sensor is mounted on the extractor near the hood. The one shown here is connected to an energy saver ES-90-005 which in turn starts and stops the fan.



When the light sensor is wall mounted, the maximum distance to the workpiece is about 3 m. The light sensor shown here is connected to an automatic damper ASE-12 which in turn opens and closes the duct to the central fan.